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Acetylurethane, action of acetamide, of acetanilide, of acetylcarbamide, of ammonia, of aniline, of α- and β-naphthylamines, of diphenylamine, of methylamine, of piperidine, and of phenylcarbamide on (YOUNG and CLARK), T., 363—368; P., **1898**, 73.

Acetylvitexin (PERKIN), T., 1022; P., **1898**, 184.

Acetyl-*p*-xylene, compound of, with phosphoric acid (KLAGES and ALLENDORF), A., i, 477.

Achroodextrin (LINTNER), A., i, 460.

Acid, $C_8H_{10}O_4$, from the oxidation of *iso*acetophorone, and its anhydride, anilic acid, and anil (BREDT and RÜBEL), A., i, 264.

$C_8H_9N_3O$, from *p*-tolenyldioxytetrazotic acid and sodium amalgam (LOSSEN and SCHNEIDER), A., i, 84.

$C_8H_{12}O_4$, from the oxidation of *iso*acetophorone (KEEP and MÜLLER), A., i, 265.

$C_8H_{14}O_2$, from α-tanacetogendicarboxylic acid (FROMM), A., i, 675.

$C_8H_{14}O_3$, from the oxidation of *iso*acetophorone (BREDT and RÜBEL), A., i, 264.

Acid, $C_9H_7NO_4$, obtained by action of ammonia on phthalonic acid, and its salts (GRAEBE and TRÜMPY), A., i, 318.

$C_9H_{14}O_4$, from oxidation of *iso*-acetophorone (BREDT and RÜBEL), A., i, 264.

$C_9H_{14}O_4$, from fenchocamphorone (WALLACH), A., i, 488.

$C_9H_{14}O_6$, from ethylic methylacrylate and ethylic sodiomethylmalonate (SCHRYVER), T., 70; P., **1897**, 220.

$C_9H_{14}O_7$ (SCHRYVER), T., 71; P., **1897**, 220.

$C_9H_{16}O_2$, from fusion of camphoric acid with soda, oxidation of (CROSSLEY and PERKIN), T., 36; P., **1897**, 218.

$C_9H_{16}O_3$, from ψ-campholactone (LEES and PERKIN), P., **1898**, 111.

$C_9H_{16}O_4$, and its silver salt, anhydride, from fusion of camphoric acid with soda (CROSSLEY and PERKIN), T., 43; P., **1897**, 218.

$C_{10}H_{16}O_3$, from camphorquinone, oxime, phenylhydrazone, semicarbazone (MANASSE and SAMUEL), A., i, 47.

$C_{11}H_{16}O_3$, from camphoric anhydride and aluminium chloride (LEES and PERKIN), P., **1898**, 111.

$C_{12}H_{18}O_3$, from cedrene (ROUSSET), A., i, 595.

$C_{12}H_{20}O_6$, from camphoroxalic and sulphuric acids (TINGLE), A., i, 444.

$C_{13}H_{12}N_2O_4$, from the amide of benzhydroximic acid and ethylic chlorofumarate (KÜHLING), A., i, 695.

$C_{16}H_{16}O_6$, obtained by condensation of orcinol with chloral hydrate (HEWITT and DIXON), T., 399; P., **1898**, 103.

$C_{16}H_{22}O_2$, by reduction of jalapinolic acid (KROMER), A., i, 678.

$C_{17}H_{17}NO_3$, obtained from *o*-benzamidocinnamic acid (ERLENMEYER), A., i, 197.

$C_{18}H_{30}O_5$, from *iso*-butyllevulinic acid and hydrogen cyanide (BENTLEY and PERKIN), T., 60.

$C_{19}H_{16}N_2O_{11}$, from acetonedicarboxylic acid and *p*-nitrobenzaldehyde (PETRENKO-KRITSCHENKO), A., i, 529.

$C_{22}H_{20}O_8$, obtained from β-phenylglutaric anhydride, and its silver salt (AVERY and BOUTON), A., i, 527.

$C_{24}H_{40}O_2$, from reduction of cholic acid; its anhydride, and nitroderivative (PREGL), A., i, 709.

$C_{108}H_{140}N_{28}O_{43}S$, formed by action of nitrous acid on albumose; its barium salt (SCHRÖTTER), A., i, 610.

Acid, obtained from beetroot juice; calcium salt (VON LIPPMANN), A., i, 377.

isomeric with 1-phenylbenzene-2:3:5:6-tetracarboxylic acid, and its salts (MICHAEL and BUCHER), A., i, 256.

(m. p. 135°) and acid decomposing at 220—260° from *Ramalina ceruchis* (HESSE), A., i, 532.

(m. p. 142°) occurring in *Roccella decipiens* (HESSE), A., i, 533.

obtained from wool wax, and its magnesium salt (DARMSTAEDTER and LIFSCHÜTZ), A., i, 245.

standard, preparation of, by absorption of hydrogen chloride (MOODY), T., 658; P., **1898**, 149.

Acidimetry, use of the electrometer for titration (BÖTTGER), A., ii, 89.

use of normal sodium oxalate in (SÖRENSEN), A., ii, 185.

Acidity, estimation of, in beer, &c. (OTT), A., ii, 464.

precipitation of caseinogen in milk as test of (GRÜTZNER), A., i, 100.

Acids, taste of, related to ionisation (RICHARDS), A., ii, 209; (KASTLE), A., ii, 471.

secretion of, by molluscs (SCHOENLEIN), A., ii, 442.

action of, as poisons (WINTERBERG). A., ii, 530.

Acids, amido-, isolation of (ORLOFF), A., i, 295.

Acids, dibasic, formation of anhydrides of (ÉTAIX), A., i, 125.

Acids, fatty, from fusion of camphoric acid with potash (CROSSLEY and PERKIN), T., 4; P., **1897**, 217.

Acids, organic, absorption spectra of (SPRING), A., ii, 201.

action of silent electric discharge on, in presence of nitrogen (BERTHELOT), A., i, 558.

oxidation of, in presence of ferrous iron (FENTON), P., **1898**, 119.

Acids (or their salts or derivatives). See also :—

Abietic acid.
Acetaldehydedisulphonic acid.
Acetalmalonic acid.
Acetamidobenzoic acid.
p-Acetamidosalicylic acid.
Acethydroxamic acid.
Acethydroxamic-carbonic acid.
Acetic acid.
Acetoacetic acid.
Acetonedicarboxylic acid.
Acetonedipyruvic acid.
Acetonic acid.
α-Acetonyltricarballylic acid.

Acids. See :—
Acetophenonecarboxylic acid.
Acetoxytetramethylglutaric acid.
Acetylbenzoylmesaconic acid.
α-Acetylbutanetetracarboxylic acid.
Acetyl*iso*butylsuccinic acid.
Acetylcamphoroxalic acid.
γ-Acetyldimethylacetoacetic acid.
Acetyldimethylbutyric acid.
Acetylenedicarboxylic acid.
Acetylethyltricarballylic acid.
Acetylgallotannic acid.
Acetylphenyldichloracetic acid.
Acetylphenyldimethyldihydropyridinecarboxylic acid.
Acetylpyruvic acid.
Acetylsuccinic acid.
Acetylsyringic acid.
Acetyltartaric acid.
α-Acetyltricarballylic acid.
Acetyluracilcarboxylic acid.
Aconitic acid.
Acrylic acid.
Adipamic acid.
Adipic acid.
Aldehydopyromucic acid.
Allylphosphoric acid.
Amylenepentacarboxylic acid.
iso-Amylidenedimalonic acid.
1-*iso*-Amylindolecarboxylic acid.
Anhydrobisdiketohydrindenecarboxylic acid.
Anhydrocamphoronic acid.
Anhydrofenchocarboxylic acid.
Anilinoacetic acid.
Anilino-β-*iso*butyric acid.
Anilinomalonanilic acid.
Anilinomalonic acid.
Anilino-α-phenylacetic acid.
Anilino-α-propionic acid.
Anilpyruvic acid.
Anisenyltetrazotic acid.
Anisic acid.
Anisoylacetic acid.
Anisoylacetoacetic acid.
Anisoylglyoxylic acid.
Apocrenic acid.
Aspartic acid.
Atranoric acid.
Atranorinic acid (*physciol*).
Atraric acid.
Atronic and *iso*-Atronic acids.
Atropic and *iso*-Atropic acids.
Azelaic acid.
Azelamic acid.
Azoxybenzoic acid.
Barbatic acid.
Behenic acid.
Benzaldehyde-*o*-sulphonic acid.
o-Benzamidocinnamic acid.
α-Benzamidohydroxycinnamic acid.
Benzaminesulphonic acid.

Acids. See :—
Benzanilidosulphonic acid.
Benzeneazobenzoic acid.
Benzenediazocarbamide-benzenesulphinic acid.
Benzenediazoic acid.
Benzenesulphinic acid.
Benzenesulphonic acid.
Benzenetetradi-*m*-phosphoric acid.
Benzenylaminofumaric-esoanhydridecarboxylic acid.
Benzenyloxytetrazotic acid.
Benzenyl*di*oxytetrazotic acid.
Benzenyltetrazotic acid.
Benzhydroxamic acid.
Benzilideneacetoacetic acid.
Benzoic acid.
Benzophenonesulphonic acid.
Benzotoluido-*o*-sulphonic acids.
Benzoylacetohydroxamic acid.
Benzoylacetic acid.
Benzoylbenzhydroxamic acid.
Benzoylglutaric acid.
ω-Benzoylheptoic acid.
Benzoyl*iso*nicotinic acid.
β-Benzoylpropionic acid.
Benzoylpyruvic acid.
Benzoyl*iso*succinic acid.
Benzoyltartaric acid.
α-Benzoyltricarballylic acid.
Benzylaminobutyric acid.
Benzylaminocinnamic acid.
Benzylaminopropionic acid.
Benzylamino-*iso*-valeric acid.
Benzylic acid.
Benzylideneacetonoxalic acid.
Benzylideneaminosalicylic acid.
Benzylidenediacetoacetic acid.
Benzylidenediacetonedicarboxylic acid.
Benzylidenedimalonic acid.
Benzylideneglutaric acid.
Benzylidenemalonic acid.
Benzylidene-β-naphthylaminoacetoacetic acid.
Benzylidenetropinic acid.
Benzyliminophenylpropionic acid.
5-Benzylindole-α-carboxylic acid.
Benzylmalonic acid.
Benzylmethylmalonic acid.
Benzyloxalacetic acid.
Benzylphenacylacetic acid.
Benzylphosphinic acid.
Benzylpyruvic acid.
Benzylsulphonic acid.
Betorcinolcarboxylic acid.
Bilianic acid.
iso-Butanedicarboxylic acid.
cyclo-Butanedicarboxylic acids.
Butanepentacarboxylic acid.
Butoxysuccinic acid.
iso-Butylacetic acid.

Acids. See :—
Butylenepentacarboxylic acid.
iso-Butylethanetricarboxylic acid.
1′-*iso*-Butylindolecarboxylic acid.
iso-Butyllevulinic acid.
Butylphthalidecarboxylic acid.
iso-Butylsuccinic acid.
1 : 3 : 5-Butyltoluic acid.
Butylxylylcarboxylic acid.
Butylxylylglyoxylic acid.
Butyric and *iso*-Butyric acids.
Caffeic acid.
Caffeidinecarboxylic acid.
Callopismic acid.
Camphorcarboxylic acid.
Camphopyric acid.
Camphoranic acid.
Camphoric acid.
Camphoronic and *iso*Camphoronic acids.
Camphoroxalic acid.
Camphorsulphonic acid.
Camphylic acid.
Cannabinic acid.
Cantharic acid.
Cantharidin.
Caperatic acid.
Capranic acid.
Capraric acid.
Caproic acid.
Carbamidohydrazidoacetic acid.
Carbanilphenylaminoacetic acid.
Carbocinchomeronic acid.
Carboxybenzoylformic acid.
2-Carboxy-3 : 4-dimethoxymandelic acid.
Carboxyglutaric acid.
Carboxymethylquinolineacetic acids.
Carboxyphenyl*di*chloracetic acid.
Carminic acid.
Carnaubaic acid.
Carnic acid.
Cerotic acid.
Cetraric acid.
Cholanic acid.
Cholesteric acid.
Cholic acid.
Cholylic acid.
Chrysocetraric acid.
Chrysophanic acid.
Cinchotinesulphonic acid.
Cinnamic acid.
Cinnamylideneacetoacetic acid.
Citraconic acid.
Citric acid.
Coccellic acid.
Corydalinic acid.
p-Coumaric acid.
Crotonic acid.
β-*iso*-Cuminic acid.
Cumylideneacetoacetic acid.
Cyanuric acid.

Acids. See :—
Cymenesulphonic acid.
Deamidoalbuminic acid.
Dehydracetic acid.
Dehydroanisoylacetic acid.
Dehydrocholic acid.
Deoxybenzoin-*β*-carboxylic acid.
Diacetylglyceric acid.
Diacetylphenyldimethylpyridinecarboxylic acid.
Diacetylsuccinic acid.
Diacetyltartaric acid.
Diallylphosphoric acid.
Dianhydrobisdiketohydrindenecarboxylic acid.
Dianilinobenzylideneacetonedicarboxylic acid.
Diazobenzenebromobenzenesulphinic acid.
Diazobenzenetoluenesulphinic acid.
Diazocarboxylic acid.
p-Diazo-*o*-toluenesulphonic acid.
Dibenzhydroxamic acid.
Dibenzoylhydrazido-acetic acid.
Dibenzyl-α-carboxylic acid.
Dibenzyldisulphonic acid.
Dibenzyl 2 : 2′-disulphonic acid.
Di-*iso*-butylacetic acid.
Di-*iso*-butylglycollic acid.
Di-*iso*-butylmalonic acid.
Dicarboxyglutaconic acid.
Didecylsuccinic acid.
β-Diethoxyacrylic acid.
Diethoxymethyleneacetonedicarboxylic acid.
Diethoxyphenylpropionic acid.
Diethoxypropionic acid.
Diethoxypyrotartaric acid.
Diethylacetoacetic acid.
Diethylaminobenzoylbenzoic acid.
Diethylaminobenzylbenzoic acid.
Diethylamino-*m*-hydroxy-*o*-benzoylbenzoic acid.
Diethylamino-*m*-hydroxylbenzylbenzoic acid.
Diethylguaiaretic acid.
Diethylmalonic acid.
Diethylparabanic acid.
Diethylphosphoric acid.
Diethylthioparabanic acid.
Diglycerophosphoric acid.
Dihydrocamphoric acid.
Dihydrocamphoronesulphonic acid.
Dihydro-*β*-camphylic acid.
Dihydro-*iso*-indolebenzoic acid.
Dihydro-*iso*-lauronic acid.
Dihydro-*iso*-lauronolic acid.
Dihydronaphthoic acid.
Dihydrophthalic acid.
Dihydropiperylenedicarboxylic acid.
Dihydroxydicarboxyphenylacetic acid.
Dihydroxybenzoic acid.

Acids. See :—
Dihydroxydihydro*cyclo*geranic acid.
Dihydroxydihydro*iso*geranic acid.
Dihydroxymaleic acid.
1 : 3-Dihydroxynaphthalene-2-carboxylic acid.
Dihydroxynicotinic acid.
Dihydroxyphenylacetic acid.
Dihydroxypyridinecarboxylic acids.
Dihydroxypyridinedicarboxylic acid.
Dihydroxystearic acid.
Dihydroxytartaric acid.
Diketohydrindenedicarboxylic acid.
Diketo-octohydrophenanthrenecarboxylic acid.
Dimethoxybenzoic acid.
Dimethoxydiphenyltetrahydropyronedicarboxylic acid.
Dimethylacetoacetic acid.
Dimethyladipic acid.
Dimethylamino-*o*-benzoylbenzoic acid.
Dimethylaminobenzylbenzoic acid.
Dimethylanilinohydrophthaloylic acid.
Dimethylanilinophthaloylic acid.
Dimethylaspartic acid.
Dimethylbutylmandelic acid.
Dimethylcinchonic acids.
Dimethyleneprotocatechuic acid.
Dimethylfumaric acid.
ββ-Dimethylglutamic acid.
Dimethylglutaric acids.
Dimethylitaconic acid.
Dimethyllevulinic acid.
Dimethylmalonic acid.
Dimethylphosphoric acid.
2 : 4-Dimethylpyridine-3-carboxylic acid.
1 : 2′-Dimethylquinoline-4′-carboxylic acid.
3 : 2′-Dimethylquinoline-3′-4′-dicarboxylic acid.
Dimethylsuccinic acids.
Dimethyltricarballylic acid.
Dimethyluric acids.
Diphenacylfumaric acid.
Diphenoxythiophosphoric acid.
2′-3′-Diphenylcinchonic acid.
Diphenylphosphoric acid.
Diphenyltetrahydropyronedicarboxylic acid.
Diphenylthioparabanic acid.
1 : 5-Diphenyl 1 : 2 : 3-triazole-4-carboxylic acid.
Dipropylmalonic acid.
Dipulvic acid.
Dipyridyltetracarboxylic acid.
Di-*p*-tolylthioparabanic acid.
Divaricatic acid.
Divaricatinic acid.
Divarictic acid.
Eicosylmalonic acid.

Acids. See :—
Elaidic acid.
Ellagitannic acid.
Erucic acid.
Erythric acid.
Ethane-**αβ**-disulphinic acid.
Ethane-**αβ**-disulphonic acid.
Ethanetetracarboxylic acid.
Ethane-**ααα$_1$**-tricarboxylic acid.
Ethoxyacrylic acid.
Ethoxybehenic acid.
Ethoxybenzenesulphonic acid.
γ-Ethoxybutyric acid.
β-Ethoxycinnamic acid.
Ethoxycitraconic acid.
Ethoxydiphenylphthalamic acid.
p-Ethoxyglauconic acid.
p-Ethoxyhydroglauconic acid.
Ethoxymalonic acid.
Ethoxymethyleneacetonedicarboxylic acid.
Ethoxymethylenemalonic acid.
p-Ethoxyphenyloxamic acid.
Ethoxypropionic acids.
Ethoxysuccinic acid.
δ-Ethoxyvaleric acid.
Ethylacetoacetic acid.
Ethylallylparabanic acid.
Ethylallylsuccinic acid.
Ethylallylthioparabanic acid.
Ethylaminobenzoic acid.
Ethylanilino-**α**-butyric acid.
Ethylanilino-**α**-propionic acid.
Ethylenebenzhydrylcarboxylic acid.
Ethylenesulphonic acid.
α-Ethylglutaric acid.
Ethylideneacetoacetic acid.
α-Ethylideneglutaric acid.
Ethylmalonic acid.
Ethylnitrolic carbonic acid.
Ethylparabanic acid.
Ethylphosphoric acid.
α-Ethylpropane-**ααα^1**-**β**-tetracarboxylic acid.
Ethylpulvic acid.
Ethylsuccinic acid.
Ethylthioparabanic acid.
Evernic acid.
Everninic acid.
Fenchenephosphonic acid.
Fenchocarboxylic acid.
Fencholenic acid.
Filicic acids.
Filicinic acid.
Flavaspidic acid.
Formaldehydetrihydroxyfluoronedicarboxylic acid.
Formamidinediazoamidoformic acid.
Formaurindicarboxylic acid.
Formazylbenzenecarboxylic acid.
Formazylbenzenedicarboxylic acid.
Formhydroxamic acid.

Acids. See :—
Formic acid.
Fumaramic acid.
Fumaric acid.
Furfuracrylideneacetic acid.
Furfuracrylidenemalonic acid.
Furfuracrylidenephenylacetic acid.
Furfuracrylidenepyruvic acid.
Furfurylidenephenylacetic acid.
Furfurylidenepyruvic acid.
Furfurylsuccinic acid.
Gallic acid.
Gallotannic acid.
Geronic and *iso*-Geronic acids.
Glauconic acid.
Gluconic acid.
Glutaconic acid.
Glutamic acid.
Glutaric acid.
Glyceric acid.
Glycerophosphoric acid.
Glycocholic acid.
Glycollic acid.
Glyoxylic acid.
Guaiaretic acid.
Gyrophoric acid.
Hæmatommic acid.
Hæmatomminic acid.
Harminic acid.
Hemimellithenetricarboxylic acid.
Hemipinic acids.
cyclo-Heptanecarboxylic acid.
cyclo-Heptatrienecarboxylic acid.
iso-Heptenoic acid.
Heptoic acid.
Heptylmalonic acid.
Hexahydrocumic acid.
Hexahydroterephthalic acid.
cyclo-Hexanedicarboxylic acids.
cyclo-Hexenedicarboxylic acids.
$\gamma\delta$-Hexenoic acid.
cyclo-Hexinenedicarboxylic acids.
Homoitaconic acid.
Homophthalic acid.
Hydrazidoacetic acid.
Hydrazido-*p*-phenoxyacetic acid.
Hydrocinchoninesulphonic acid.
Hydrocyanic acid.
Hydrodiphthalolactonic acid.
Hydroglauconic acid.
Hydromuconic acid.
Hydro-β-naphthaglauconic acid.
Hydrotheobromuric acid.
o-Hydroxyanilinobutyric acid.
p-Hydroxyanilinopropionic acid.
Hydroxybehenic acid.
Hydroxybenzoic acids.
Hydroxybenzylideneaminoformic acid.
o-Hydroxybenzylidenehydrazidoacetic acid.
Hydroxybenzylsulphonic acid.
γ-Hydroxy-α-*iso*-butylvaleric acid.

Acids. See :—
Hydroxybutyric and α-Hydroxy-*iso*-butyric acids.
Hydroxycarbaminic acid.
Hydroxydiazobenzylsulphonic acid.
α-Hydroxydi*iso*butylacetic acid.
5-Hydroxy-2-dimethoxymethylphenylhydro-4-pyrone-6-carboxylic acid.
1-Hydroxy-2 : 6-dimethylpiperidone-6-carboxylic acid.
Hydroxydiphenylphthalamic acids.
Hydroxydiphenylpropionic acid.
Hydroxyfenchenic acid.
ω-Hydroxyhexahydrotoluic acid.
Hydroxyhexoic acid.
Hydroxyketopimelic acid.
2′-Hydroxylepidinic acid.
Hydroxymethylbenzenesulphonic acid.
α_1-Hydroxy-α_1-methyl-α-*iso*butylglutaric acid.
1-Hydroxymethyl*cyclo*hexane-2-carboxylic acid.
Hydroxymethyl*iso*propylacetic acid.
Hydroxynonoic acid.
α-Hydroxypentenoic acid.
Hydroxyphenylbutyric acid.
Hydroxyphenylcinnamic acid.
α-Hydroxy-γ-phenylcrotonic acid.
p-Hydroxyphenyloxamic acid.
Hydroxypropanesulphonic acid.
Hydroxypyridinedicarboxylic acid.
Hydroxysalicylic acid.
Hydroxyterephthalic acid.
β-Hydroxytetramethylglutaric acid.
Hydroxytolueneazobenzoic acid.
Hydroxytoluic acid.
Hydroxytrimesic acid.
α-Hydroxyvaleric acid.
Indoneacetoacetic acid.
Indonemalonic acid.
Indoxylic acid.
Iodosponginsulphonic acid.
Iononeoximeacetic acid.
Itaconic acid.
Isatic acid.
Jalapinolic acid.
Ketophenylhomoparaconic acid.
Ketophenylparaconic acid.
Lactic acid.
Lauric acid.
iso-Lauronic acid.
Lauronolic and *iso*-Lauronolic acids.
Lecanoric acid.
Lepidinic acid.
Leucic acids.
Leucine.
Levulinic acid.
Lichenostearic acid.
Lupulinic acid.
Lutidinecarboxylic acid.
ψ-Lutidostyrilcarboxylic acid.
Lysuric acid.

Acids. See :—
Maleamic acid.
Maleic acid.
Malephenylamic acid.
Malic acid.
Malonic acid.
Mandelic acid.
Mannosaccharic acid.
Meconic acid.
Melanoidic acid.
Mellitic acid.
Menthonecarboxylic acid.
Menthonedicarboxylic acid.
Mesaconic acid.
Mesitylcarboxylic acid.
Mesitylenic acid.
Mesotartaric acid (under tartaric acid).
Methanedisulphonic acid.
Methenylbisacetonedicarboxylic acid.
Methoxybenzenesulphonic acid.
Methoxybenzoic acid.
Methoxydiphenylphthalamic acid.
Methoxynaphthoic acid.
Methoxynaphthylglyoxylic acid.
o-Methoxyphenylcarbamic acid.
p-Methoxyphenyloxamic acid.
Methoxyphenylpyruvic acid.
i- and *l*-Methoxypropionic acid.
p-Methoxy-*o*-sulphobenzoic acid.
Methylacetoacetic acid.
p-Methylacetophenone-α-phthalamic acid.
Methylallylparabanic acid.
Methylallylthioparabanic acid.
α-Methyl-*m*-amino-*p*-phenoxyacetic acid.
Methylanilinobutyric acid.
Methylanilinophenylacetic acid.
Methylanilinopropionic acid.
Methylaspartic acid.
Methyl*iso*barbituric acid.
Methyl*iso*butylketosulphonic acid.
Methyl*iso*butylketoximesulphonic acid.
2′-Methylcinchonic acid.
Methylcyanuric acid.
Methyl*iso*dialuric acid.
Methylenedicresotic acid.
Methylenedigallic acid.
Methylenemalonic acid.
Methylethylitaconic acid.
Methylethylmalonic acid.
Methylethylpyridinedicarboxylic acid.
4-Methyl-3′-ethylquinolinesulphonic acid.
Methylethylsuccinic acid.
Methylethylthioparabanic acid.
Methylfurazancarboxylic acid.
Methylglyoximecarboxylic acid.
Methylguanidoacetic acid.
p-Methylisatic acid.
Methylitaconic acid.

Acids. See :—
β-Methyllevulinic acid.
Methylmalonic acid.
p-Methyloctylbenzenesulphonic acid.
o-Methylolhexahydrobenzoic acid.
μ-Methyloxazole-α-carboxylic acid.
Methylparabanic acid.
Methylphosphinic acid.
Methylphosphoric acid.
Methylpropanetetracarboxylic acids.
Methyl*iso*propylacetic acid.
Methylpyrazolone-*p*-phenoxyacetic acid.
Methylquinolinecarboxylic acids.
Methylsalicylic acid.
Methylsuccinic acid.
Methyltetrahydropyridinecarboxylic acid.
Methyluracilcarboxylic acid.
β-Methyluramidacrylic acid.
Methyluric and Methyl-ψ-uric acid.
Mucic acid.
Myristic acid.
Myronic acid.
β-Naphthaglauconic acid.
Naphthalenesulphonic acid.
Naphthalenethiosulphonic acid.
α-Naphthaquinoline-3′-sulphonic acid.
β-Naphthenyldioxytetrazotic acid.
β-Naphthilpyruvic acid.
β-Naphthylaminomalonic acid.
β-Naphthylindoxylic acid.
Nonoic acid.
Nor-rangiformic acid.
Octonspartic acid.
Octoic acid.
Octylmalonic acid.
Œnanthylideneacetoacetic acid.
Oleic acid.
Opianic acid.
Orylic acid.
Ouabic acid.
Oxalacetic acid.
Oxalic acid.
Oxalobutyric and Oxalo*iso*butyric acids.
Oxalolevulinic acid.
Oxalopropionic acid.
Oxamic acid.
Oxanilic acid.
Oximidopropionic acid.
Oxycarnic acid.
Oxyproteic acid.
Oxyprotosulphonic acid.
Oxypulvic acid.
Oxyroccellic acid.
Oxytetramethyluric acid.
Palmitic acid.
Papaveric acid.
Pentanedicarboxylic acid.
cyclo-Pentanedicarboxylic acids.

Acids. See :—
cyclo-Pentane-1:1:3:3-tetracarboxylic acid.
Δ^1-*cyclo*-Pentenecarboxylic acid.
Phenacylethylacetic acid.
Phenacylmethylacetic acid.
Phenacylpropylacetic acid.
Phenethenyloxytetrazotic acid.
Phenolphthaloylic acid.
p-Phenolsulphonic acid.
Phenoxyacetic acid.
p-Phenoxybenzylideneacetic acid.
δ-Phenoxy-α-ethylvaleric acid.
γ-Phenoxypropylethylmalonic acid.
Phenoxythiophosphamic acid.
Phenoxythiophosphoric acid.
Phenylacetic and ψ-phenylacetic acids.
Phenylazo-β-hydroxylaminopropionic acid.
1-Phenylbenzene-2 : 3 : 5 : 6-tetracarboxylic acid.
3′-Phenyl-2′-benzylquinoline-4′-carboxylic acid.
1-Phenyl-4-benzyl-5-pyrazolone-3-carboxylic acid.
Phenylcarbamacetic acid.
Phenylcarbinolacetoacetic acid.
2′-Phenylcinchonic acid.
Phenylcinnamic acid.
βγ-Phenyl*iso*crotonic acid.
Phenyldiethylhydroresorcylic acid.
Phenyldimethylhydroresorcylic acid.
Phenyldimethyloxypyrrodiazolecarboxylic acid.
Phenylditolylmethanecarboxylic acid.
Phenylenediamineazophenyloxamic acid.
p-Phenylenedisulphonamic acid.
Phenylethylparabanic acid.
Phenylethylthioparabanic acid.
β-Phenylglutaranilic acid.
β-Phenylglutaric acid.
β-Phenylglutaro-*p*-tolilic acid.
Phenylglycine-*o*-carboxylic acid.
Phenylglycolenyloxytetrazotic acid.
Phenylglycolenyl*di*oxytetrazotic acid.
Phenylglyoxenyl*di*oxytetrazotic acid.
Phenylmethylitaconic acid.
Phenylmethylketotetrahydropyridazinecarboxylic acid.
Phenylmethylparabanic acid.
4-Phenyl-2-methyltetrahydropyridone-3 : 5-dicarboxylic acid.
Phenylmethylthioparabanic acid.
1-Phenylnaphthalene-2:3-dicarboxylic acid.
Phenylpentenoic acid.
Phenylpropanetricarboxylic acid.
Phenylpropiolic acid.
Phenylpropionic acid.
Phenylpropylenetricarboxylic acid.

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1-Phenylpyrazole-3 : 4-dicarboxylic acid.
1-Phenylpyrazolepropionic acid.
Phenylpyrrodiazolonecarboxylic acids.
2′-Phenylquinoline-3′-4′-dicarboxylic acid.
Phenylsaffranolcarboxylic acid.
Phenylsaffranolsulphonic acid.
Phenylsulphonamic acid.
p-Phenylsulphonebenzoic acid.
Phenyltetrahydronaphthalenedicarboxylic acid.
Phenylthioaminohydantoic acid.
Phenylthioglycollic acid.
1-Phenyl-1 : 2 : 3-triazole-4 : 5-dicarboxylic acid.
Phenyluracilcarboxylic acid.
β-Phenyluramilacrylic acid.
Phenylvaleric acid.
δ-Phenyl-δ-valerolactone-γ-carboxylic acid.
Phthalaldehydic acid.
Phthalazine-1′-acrylic acid.
Phthalic acid.
Phthalidecarboxylic acid.
Phthalonic acid.
Phyllocyanic acid.
Physciacic acid.
Physodalic acid.
Physodic acid.
Phytosterol.
Pimelic acid.
β-Piperidocrotonic acid.
Piperidylcinnamic acid.
Piperidylpyrotartaric acid.
Piperidylsuccinic acid.
Piperidyltricarballylic acid.
Podophyllic acid.
cyclo-Propane-αα-dicarboxylic acid.
s-Propanehexacarboxylic acid.
Propane-1-al-3-oic acid.
s-Propanepentacarboxylic acid.
Propanetetracarboxylic acid.
Propionic acid.
Propionylformic acid.
Propoxypropionic acids.
Propoxysuccinic acid.
iso-Propyl*iso*butylacrylic acid.
α-*iso*-Propyl-β-*iso*butylhydracrylic acid.
Propylenetetracarboxylic acid.
1′-Propylindolecarboxylic and 1′-*iso*-Propylindolecarboxylic acids.
iso-Propylmalonic acid.
α-*iso*-Propylpropane-$\alpha\alpha\alpha_1$-β-tetracarboxylic acid.
Propylsuccinic and *iso*-Propylsuccinic acids.
Protocetraric acid.
Pulegenic acid.
Pulvic acid.

Acids. See :—
Pyridine-2 : 3 : 4-tricarboxylic acid.
4-Pyridone-3 : 5-dicarboxylic acid.
Pyrocinchonic acid.
Pyrogallol-dicarboxylic and -tricarboxylic acids.
Pyromucic acid.
Pyruvic acid.
2′ : 4′-Quinolinedicarboxylic acid.
Quinoltetracarboxylic acid.
Racemic acid.
Ramalic acid.
Rangiformic acid.
Rhamnohexonic acid.
Rhizocarpic acid.
Rhizonic acid.
Rhizoninic acid.
Ricinoleic and ψ-Ricinoleic acids.
Roccellaric acid.
Roccellic acid.
Saccharic acid.
Salazinic acid.
Salicylic acid.
Salicyluric acid.
Santonic acid.
Sarcomelaninic acid.
Sebacic acid.
Sebamic acid.
α- and β-Scymnolsulphuric acids.
Sinapic acid.
Sphærophoric acid.
Squamaric acid.
Stearic acid.
Stilbenedisulphonic acids.
Strychnic acid (*strychnol*).
iso-Strychnic acid (*dihydrostrychnine*).
Strycholcarboxylic acid.
Suberamic acid.
Suberic acid.
Succinic and *iso*-Succinic acids.
Succinophenylamic acid.
Sulphobenzeneazobenzoic acid.
Sulphobenzeneazo-2-hydroxynaphthaquinone.
Sulphocamphylic acid.
p-Sulphonaphthaleneazohydroxynaphthaquinone.
Syringic acid.
Tanacetogendicarboxylic acid.
Tannic acid.
Tartaric acids.
Tartronic acid.
Tetrahydrofurandibenzoic acid.
Tetrahydrophthalic acid.
Tetrahydro*iso*quinolinesulphonic acid.
Tetrahydroterephthalic acid.
Tetrahydroxyxanthenedicarboxylic acid.
Tetramethyldiaminobenzophenonesulphinic acid.
Tetramethylene-1 : 3-dicarboxylic acid.

Acids. See :—
Tetramethylglutaric acid.
Tetramethyl-*m*-phenylenediamineazobenzenesulphonic acid.
Tetramethyluric acid.
Tetraspartic acid.
Theobromuric acid.
Theuric acid.
Thiocyanic acid.
Thiosalicylic acid.
Tolenyldioxytetrazotic acid.
Tolenyloxytetrazotic acid.
Tolenyltetrazotic acid.
o- and *p*-Tolilpyruvic acids.
Tolueneazobenzoic acid.
Tolueneazosalicylic acid.
Toluenedisulphonic acid.
p-Toluenesulphinic acid.
Toluenesulphonic acids.
Toluenethiosulphonic acid.
Toluic acids.
Toluidinedisulphonic acid.
Toluidino-butyric and -*iso*butyric acids.
p-Toluidinomalonic acid.
Toluidinophenylacetic acids.
Toluidinopropionic acids.
Toluidino*iso*valeric acids.
p-Toluoyl-*o*-benzoic acid.
β-*p*-Toluoylpicolinic acid.
o-, *m*-, and *p*-Toluoyltartaric acids.
Tolylacetic acid.
p-Tolylindoxylic acid.
p-Tolylmethylphosphinic acid.
Tolyloxamic acid.
Tolylpyruvic acid.
Tolylsulphonamic acid.
Trianisylstibic acid.
1 : 2 : 3-Triazole-4 : 5-dicarboxylic acid.
Tricarballylic acid.
2 : 4 : 4′-Trihydroxy-2′-methylquinoline-3-carboxylic acid.
as- Trimesic acid.
Trimethylacetic acid.
Trimethylglutaric acids.
Trimethyl*cyclo*hexanonesulphonic acid.
tert-Trimethyl-β-phenyl-δ-ketohexoic acid.
1 : 3 : 2′-Trimethylquinoline-4′-carboxylic acid.
Triphenylacrylic acid.
Triphenylcarbinoltricarboxylic acid.
Tropinic acid.
Tropinoneoxalic acid.
Umbilicaric acid.
Uracilcarboxylic acid.
Uric acid.
Urocaninic acid.
Uroproteic acid.
Usnic acid.

Acids. See :—
Valeric and *iso*-Valeric acids.
Vanillic acid.
Veratroleacetic acid.
Vinylacetic acid.
α-Vinylglutaric acid.
Vulpic acid.
Xylenesulphamic acid.
Xylensulphonic acids.
α-*m*-Xylidinobutyric acid.
m-Xylidinophenylacetic acid.
α-*m*-Xylidinopropionic acid.
m-Xylilpyruvic acid.
Xylylacetic acid.
m-Xylylacetoacetic acid.
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Allylic alcohol.
Amylenic glycol.
Amylic and *iso*-Amylic alcohols.
Anhydro-*p*-aminobenzylic alcohol.
Anhydro-*p*-hydroxylaminobenzylic alcohol.
Anisylic alcohol.
Aspinidol.
Azelaol.
Benzeneazophenol.
Benzylic alcohol.
Betorcinol.
Borneol.
tert-iso-Butylenic glycol.
Butylic *iso*-Butylic and *tert*-Butylic alcohols.
Carvanol.
Carvenol.
Catechol.
Catechol-βγ-propylic alcohol.
Cedrol.
Cerylic alcohol.
Cholesterol and *iso*-cholesterol.
Citronellol.
Decylene glycol.
2 : 5-Diacetamidoquinol.
3 : 5-Diethoxy-*o*-aminophenol.
3 : 5-Diethoxycarbonyl-2-aminophenol.
3 : 5- Diethoxyethenyl-2-aminophenol.
Diethylcarbinol.
Dihydroxynaphthalene.
Dimethylheptenol.
Dimethylheptylenic glycol.
Dipropylallylcarbinol.
Dipropylbutanetriol.
Dulcitol.
Erythritol.
Ethylic alcohol.
Ethylsaffranol.
Eugenol.
Fenchocamphorol.
Fencohlenic alcohol.

Alcohols and Phenols. See also :—
Fenchylic alcohol.
Galipene alcohol.
Geraniol.
Glycerol.
Glycol.
Guaiacol.
2 : 4-Hexadi-inediol-1 : 6.
Hexylenic glycol.
Hexylic alcohol.
Hydrocœrulignone.
Hydroxybenzylideneindanedione.
Lemonol.
Leucohexamethyl-lignone-blue.
Linalool.
Mannitol.
Menthol.
2-Methoxyphenol.
Methoxyquinol.
p-Methylaminophenol.
Methyl*iso*butylallylcarbinol.
Methyl*iso*butylcarbinol.
Methylenedinaphtharesorcinol.
Methylic alcohol.
2-Methyl-6-heptanone-2-ol.
2-Methyl-6-heptanone-3-ol.
2-Methylol-1-butanol.
Methylolethylenedipiperidine.
β-Methylpentylenic glycol.
Methylpropylcarbinol.
Methyl*iso*propylcarbinol.
Naphthols.
Orcinol.
Phenetoilazophenol.
Phenol.
3-Phenyl-2 : 2-dimethylpropane-1 : 3-diol.
Phenylethylallylcarbinol.
Phenylmethylcarbinol.
Phloroglucinol.
Physol.
Pinocampheol.
Pinocarveol.
Propargylic alcohol.
Propionaldol.
Propylic and *iso*-Propylic alcohols.
Psyllostearylic alcohol.
Pyrogallol.
Pyroguaiacin.
Quinol.
Resorcinol.
Rhamnitol.
Rhodinol.
Sabinol.
Salicin.
Saligenin.
Selenonaphthol.
Selenophenol.
Selenylresorcinol.
Sorbitol.
Telluroresorcinol.
Thymol.

Alcohols and Phenols. See also :—
Thymoquinol.
Toluquinol.
Tolylmethylanthranol.
Tolylmethyloxanthranol.
Triethylcarbinol.
αβδ-Trihydroxy-δ-phenylhexane.
Trimethylenoldipiperidone.
Trimethylaneglycol.
Trimethylphenethylol.
Triphenylethanediol.
Tropinepinacone.
Vinylic alcohol.

Aldehyde. See Acetaldehyde.

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Aldehydes. See also :—
Acetaldehyde.
Acraldehyde.
Aldol.
Aldols $C_6H_{12}O_2$ and $C_9H_{18}O_2$.
Anisaldehyde.
Benzaldehyde.
Butylxylylaldehyde.
iso-Butyraldehyde.
Chloral.
Cinnamaldehyde.
Citral.
Cuminaldehyde.
Diazoaminobenzaldehyde.
Dihydroxybenzeneazobenzaldehyde.
2 : 4-Dimethoxybenzaldehyde.
Formaldehyde.
Furfuraldehyde.
Glyceraldehyde.
Glycollic aldehyde.
Glyoxal.
Heptaldehyde.
Hydrocinnamaldehyde.
Hydroxybenzaldehyde.
p-Hydroxybenzeneazobenzaldehyde.
Hydroxynaphthaldehyde.
Hydroxypropacetal.
Levulinaldehyde.
Methoxynaphthaldehyde.
Methylglyoxal.
o-Methylphenylacetaldehyde.
Methylsalicylaldehyde.
Œnanthaldehyde.
Parahydroxybenzaldehyde.
Paraldehyde.
Δ^1-*cyclo*-Pentenealdehyde.
Phenoloxyacetaldehyde.

Aldehydes. See also :—
Phenopentenal.
o-Phenylbenzaldehyde.
Phenylenedioxydiacetaldehyde.
Phenylglyceraldehyde.
Phenylpropiolaldehyde.
Piperonal.
Propaldehyde.
Propiolaldehyde.
Protocatechuic aldehyde.
Salicylaldehyde.
Succinic acid, dialdehyde of
Tiglic aldehyde.
Tolualdehyde.
Trihydroxybenzaldehyde.
Valeraldehyde.
Vanillaldehyde.
Vanillin.

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Alkaloids, preparation of in a crystalline condition (ORLOFF), A., i, 283.
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Alkaloids. See also :—
Acetylhydrocinchonine.
Aconitine.
Anhalonidine.
Anhalonine.
Arginine.
Atropine.
Atroscine.
Bebeerine.
Brucine.
Bulbocapnine.
Bulbocarpine.
Caffeidine.
Caffeine.
Carpaine.
Chelidonine.
Cinchonamine.
Cinchonidine.
Cinchonine.
Cinchotine.
Cocaine.
Codeine.
Coniine.
Corybulbine.
Corydaline and *i*-Corydaline.
Cotarnine.
iso-Creatinine.
Cryptopine.
Curarine.
Curine.
Diascorine.
Ecgonine.
Emetine.
Eserine.
Harmaline.
Harmine.
apo-Harmine.
β-Homochelidonine.
Homoscopolamine.
Hydrastine.
Hydrastinine.
Hydrocinchonine.
Hydrocotarnine.
Hydrohydrastinine
Hyoscyamine.
Hystidine.
Imperatorine.
Lophophorine.
Lupinidine.
Lupinine.
Lysine.
Macleyine.
Mandragorine.
Meconine.
Meroquinenine.
Mezcaline.
Morphine and *apo*-Morphine.
Morphothebaine.
Narceine.

Alkaloids. See :—
iso-Narcotine.
Nicotine.
Ononine.
Oxymorphine.
Oxyptomaine.
Papaverine.
Papaveroline.
Pellotine.
Physostigmine.
Pilocarpidine.
Pilocarpine.
Protocurarine.
Protocuridine.
Protocurine.
Protopine.
Ptomaine, $C_8H_{11}N$.
Quinine.
Retamine.
Sanguinarine.
Scopolamine.
Scopoleine.
Scopoline.
Solanine.
Strychnidine.
Strychnine.
Tetrahydropapaverine.
Theobromine.
Trigonelline.
Tropidine.
Tropine and ψ-Tropine.
Veratrine.
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Yohimbenine.
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Acetamide.
Acetamidophenoxyaceto-*p*-phenetidide.
Acetanilide.
Acetobenzamide.
Acetohexamethylenamide.
Acetotoluidides.
Acetoxytetramethylglutaric anilide.
α-Acetylbutanetetracarboxyamide.
Acetylpropionamide.
α-Acetyltricarballylamide.
Adipamic acid.
Amygdalylanilide.
p-Anisoilbenzylamide.
Asparagine.
Aspartamides.
Azelamic acid and azelamide.
Benzamide.
p-Benzanilide.
Benzenesulphacetanilide.
Benzenesulphobenzanilide.
Benzenesulphobutyranilide.
Benzenesulphonaphthalides.
Benzenesulphopropionanilide.
Benzo-methylamide and -dimethylamide.
Benzophenone-3 : 3′ (or 3 : 4′)-sulphonamide.
Benzopropylamide.
p-Benzoylanilide.
Benzoylbenzylamide.
Benzoylcarbonylamidophenol.
Benzoyllactanilide.
p-Benzoyloxybenzenesulphonamide.
Benzoylurethane.
Benzylcarbamide.
p-Benzylidenephenylhydrazoneallylthiocarbamide.
Benzyloxyallylthiocarbamide.
Benzylpyruvic amide.

Amides. See :—
Benzylurethane.
Butyramide and *iso*-Butyramide.
Butyrobenzamide.
Butyroethylanilide.
Butyromethylanilide.
Caffeincarboxyamide.
Carbamide.
Carbaminethioglycollanilide.
Carbanilide.
Carboxyglutaconamide.
Carbonyldimethylcarbamide
Catecholcarbodiethylamide.
Catecholcarbo-*p*-phenetidide.
Catecholcarbopiperidide.
Cinnamamide.
Cinnamylbromamide
ψ-Cumenesulphon, -methylamide, -dimethylamide, and -ethylamide.
p-Diacetanilide.
Diacetohydroxy-*p*-phenylenediamide.
4-Diaceto-2-methoxyphenolamide.
Diazocarbamide.
Dibenzamide.
Dibenzylidenephenylhydrazonethiocarbamide.
Dibenzoethylamide.
Di*iso*butylacetamide.
Dicatecholcarbethylenediamide.
Dicatecholdicarbethylenediamide.
Di-*p*-chlorophenylphosphoramide.
Diglycollanilide.
Dihydroxydicarboxyphenylacetamide.
Di-*p*-hydroxyphenyloxamide.
ββ-Dimethylglutamic acid.
Dimethylhydroxycarbamide.
Di-β-naphthylphosphoramide.
Diphenoxythiophosph-amide and -anilide.
Diphenoxythiophosphodiethylamide.
Diphenyltolylenedicarbamide.
Dithioglycollanilide.
Di-*p*-toluidodipropyldithiocarbamate.
Di-*p*-tolyloxamide.
Di-*p*-tolyloxythiophosph-amide and -anilide.
Di-*p*-tolylphosphamide.
Ethanetetracarboxymethylanilide.
Ethoxyacetanilide.
Ethoxydiphenylphthalamic acid.
p-Ethoxyphenyloxamide.
Ethylcarbamide.
Ethylmalono-methylamide and -dimethylamide.
Eugenoxyacetanilide.
Formamide.
Formanilide.
Formo-*p*-toluidide.
Formylbenzhydrylamide.
Fumaramic acid.
Furfuramide.
Glutaconamide.

Amides. See :—
Glutamic acid.
Glutamine.
cyclo-Heptanecarboxyamides.
Hydrobenzamide.
Hydroxyallylthiocarbamide.
p-Hydroxybenzenesulphonamide.
Hydroxybenzylsulphonamide.
Hydroxycarbamide.
Hydroxydiethoxyphenylcarbamide.
s-Hydroxydiethylthiocarbamide.
s-Hydroxydimethylthiocarbamide.
Hydroxydiphenylphthalamic acid.
Hydroxyethylallylthiocarbamide.
Hydroxyethylthiocarbamide.
Hydroxymethylallylthiocarbamide.
Hydroxymethylethylthiocarbamide.
Hydroxymethylthiocarbamide.
α-Hydroxy-γ-phenylcrotonamide.
p-Hydroxyphenyloxamide.
Maleamic acid.
Maleinphenylamic acid.
Malamide.
Malonanilide.
Malonomethylanilide.
Mesitylenesulphon-methylamide, -dimethylamide, and -ethylamide.
Methoxyacetanilide.
Methoxybenzenesulphonamide.
Methoxybenzylsulphonamide.
Methoxydiphenylphthalamic acid.
p-Methoxyphenyloxamide.
Methylacetophenone-α-phthalamic acid.
Methylcarbamide.
Methylfurazancarboxyamide.
Methylglyoximecarboxyamide.
2′-Methylquinoline-3′-carboxyamide.
Methylthioglycollanilide.
Naphthalenecarboxylamide.
α-Naphthaquinoline-3′-sulphonamide.
β-Naphthoxythiophosph-amide and -diamide.
Nitrosocarbonyldimethylcarbamide.
Opianamide.
Oxamic acid.
Oxanilic acid.
Oxanilide.
p-Oxyacetophenonephenylcarbamide.
Pentamethylene-xylylenediaminebenzenesulphonamide.
cyclo-Pentane-1 : 3-dicarboxyamide.
α-Phenoxypropionanilide.
Phenoxythiophospho-diamide and -dianilide.
Phenylacetamide and β-*iso*-Phenylacetamide.
Phenylaceto-methylamide and -dimethylamide.
Phenylcarbamide.
Phenylethylenecarbamide.
p-Phenylethylurethane.

Amides. See :—
Phenyliminodiacetamide.
Phenylmethylcarbamide.
Phenylpropionamide.
Phenylpropiono-methylamide and -dimethylamide.
p-Phenylpropylurethane.
p-Phenylsulphonebenz-amide and -anilide.
Phenylthiocarbamide.
Phenylthiocarbamide glycollide.
Phenylthiourethaneacetamide.
Propanetetracarboxyamide.
Propionamide.
Propionanilide.
Propionobenzamide.
Propionohexamethylenamide.
Propionylethylanilide.
Propionylmethylanilide.
Pulegenic amide.
Pyromucamide.
Quinolcarbopiperidide.
Resorcinolcarbopiperidide.
Resorcinoldicarbodipiperidide.
Sebamic acid and sebamide.
Suberamic acid and suberamide.
Succinanilide.
Succinophenylamic acid.
Tetracetoquinol-2 : 5-diamide.
Tetracetoresorcinoldiamide.
Tetramethyl*di*aminobenzenesulphanilide.
Tetramethyl*di*aminophenylcarbamide.
as-Tetramethyl*di*aminocarbanilide.
Thiocarbamide.
Thiocyanoacetanilide.
Thioglycollanilide.
Thymoxyacetanilide.
Toluenedisulphonanilide.
o- and *p*-Toluenesulphonamides.
Toluenesulphonanilide.
p-Toluidinoacetamide.
α-*p*-Toluidinobutyric *p*-toluidide.
p-Toluidinopropionamide.
α-*p*-Toluidinopropionic *p*-toluidide.
p-Toluidinopropylbenzamide.
p-Toluidinopropylcarbamide.
p-Toluidino-*o*-sulphonamide.
p-Toluoylbenzylamide.
Toluylenedicarbamide.
Tolylcarbamides.
p-Tolyltrimethylene-carbamide, -thiocarbamide and -ψ-thiocarbamide.
Triaceto-3 : 5-diethoxyphenol-4-amide.
Triaceto-*p*-phenylenediamide.
Tribenzamide.
tert-Trimethyl-β-phenyl-δ-ketohexoamide.
Triphenylcarbinoltricarboxyamide.
Tropylphenylthiocarbamide and ψ-Tropylphenylthiocarbamide.
iso-Valerylethylanilide.

Amides. See :—
Vinylideneoxanilide.
m-Xylenesulphon-amide, -methylamide and -dimethylamide.
p-Xylylacetamide.
Xylylenedi*iso*butyldiamine.
cyclo-**Amidines** (Wheeler), A., i, 538.
Amines, classification of, according to reaction with *o*-xylylenic bromide (Scholtze), A., i, 565.
fatty and aromatic, and their salts as food for plants (Lutz), A., ii, 530.
aromatic action of sulphur chloride on (Edinger), A., i, 91, 206.
primary, velocity of reaction of, with allylic bromide (Menschutkin), A., i, 119.
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Allylamine.
Aniline.
p-Anisidine.
Benzeneazo-*m*-aminobenzeneazo-*m*-phenylenediamine.
Benzeneazo-*m*-phenylenediamine.
Benzhydrylamine.
Benzylamine.
α-Benzylhydroxylamine.
Benzylideneacetophenoneaniline.
Benzylideneacetophenone-β-naphthylamine.
Benzylideneacetophenone-*p*-toluidine.
Benzylidineaniline.
Benzylidenedi*iso*nitramine.
Benzylidenedimethylphenylenediamine.
Benzylidene-α-naphthylamine.
Benzylmethylnitramine.
Benzylnitramine.
Betaine.
iso-Butylmenthylamine.
iso-Butyl-*o*-toluidine.
Carylamine.
Chitosamine.
Cumidine.
Diazobenzaldehyde-*p*-aminophenyleneamine.
Dibenzylideneacetophenoneamine.
Dibenzylideneacetophenone-α-naphthylamine, -*o*-nitraniline, and -nitrotoluidine.
Diethylamine.
Diethyl*iso*amylamine.
Diethylaniline.
Diethylenediamine.
Diethylnitramine.
Diethylnitrosamine.
Dihydroxytriethylamine.
Dimethylamine.
Dimethylaniline.
Dimethylnitrosamine.
Dimethyl-*p*-toluidine.
Dimethyl-1 : 3 : 5-*m*-xylidine.

Amines. See :—
Diphenacylmethylamine.
Diphenylnitrosamine.
Ditolylamine.
Ethylamine.
Ethylaminophenol.
β-Ethylamylamine.
Ethyl*iso*amylamine.
Ethylaniline.
Ethylanisidine.
Ethylenediamine.
Ethylidenedi*iso*nitramine.
β-Ethylhydroxylamine.
Ethylmenthylamine.
Ethylnitramine.
Ethyl*iso*propylaniline.
Furfurine.
Hexamethylenetetramine.
Hexamethyltriaminobenzene.
Hexylamine.
Hydroxylamine.
Hydroxy-ψ-cumylaniline.
Hydroxydiethylamine.
Mentholamine.
Menthoneamine.
Menthylamine.
Mesidine.
Methoxyphenacyl-*p*-phenetidine.
Methylamine.
Methylaniline.
Methylasparagine.
Methyldihydroxyethylamine.
Methyldi*iso*nitramine.
Methylethylnitramine.
Methylhydroxyethylamine.
β-Naphthylamine.
Naphthylanilines.
Naphthylenediamine.
Octomethyl*di*aminobenzidine.
Octylamine.
Pentamethylenexylylenediamine.
Phenacyldimethylamine.
Phenacylmethylamine.
Phenetidine.
ε-Phenoxy-β-ethylamylamine.
Phenylaniline.
Phenylenediamines.
α-Phenylethylamine.
Phenylfenchylamine.
Phenylglycine-*p*-amidodimethylaniline.
Phenylnitramine.
Propylamines.
Propylenediamine.
Propylidenedi*iso*nitramine.
Propylmenthylamine.
Tetramethyl*di*aminobenzidine.
Tetramethyl-*m*-phenylenediamine.
Tetramethyl*tri*aminobenzene.
Tetrethylammonium compounds.
Toluhydrylamine.
Toluidines.

Amines. See :—
Tolylanilines.
p-Tolyltrimethylenediamine.
Triacetonealkadiamine.
Triacetonediamine.
Tricetylamine.
Triethylamine.
Trimethylamine.
Trimethyltrimethylenetriamine.
Tropylamine and ψ-Tropylamine.
Tyrosine.
Veratrylenediamine.
Vinylamine.
Xylidines.
Xylylene-*o*-anisidine.
Xylylene-bis-*o*-anisidine.
Xylylene-bis-*o*-chloraniline.
Xylylene-bisdi*iso*butylamine.
Xylylene-bisdiphenylamine.
Xylylenedi*iso*butyldiamine.
Xylylenedi-ψ-cumidine.
Xylylenedidiethylamine.
Xylylenediphenylmethylamine.
Xylylenedipiperidyl.
Xylyleneditoluidine.
Xylylenedixylidine.
Xylylene-α-naphthylamine.
Xylylene-*bis*-α-naphthylamine.
Xylylenepiperidyldi*iso*butylamine.
Xylylenepiperidyldiethylamine.

Amino-derivatives. See under :—
Acetic acid.
Acetophenone-*p*-aminophenol.
Acetylacetone.
Alanine.
Anhydro-*p*-aminobenzylic alcohol.
Anhydro-*p*-hydroxylaminobenzylic alcohol.
Anilidoethoxytetrahydronaphthalene.
Anisenyltetrazotic acid.
Azobenzaldehyde.
Azobenzene.
Benzacetophenylhydrazide.
Benzaldoxime.
Benzanilide.
Benzeneazo-*m*-aminobenzeneazo-*m*-phenylenediamine.
Benzeneazo-*m*-phenylenediamine.
Benzenesulphonic acid.
Benzimidazole.
Benzomethylanilide.
Benzophenone.
Benzylacetic acid.
Benzoylacetone.
Benzylic cyanide.
Benzylidene-*p*-aminobenzylidene-phenylhydrazone.
Benzylidene*di*aminocrotononitrile.
Benzylidenedi-*p*-aminoazobenzene.
Benzylideneguanidine.
Benzylidene-β-naphthylaminoaceto-acetic acid.

Amino-derivatives. See under :—
Benzylidenephenylhydrazone.
Benzylsulphonic acid.
Benzylsultone.
Bis-benzeneazo-*m*-phenylenediamine.
Borneol.
Butyramide.
iso-Butyronitrile.
Campholactone.
Cannabinolactone.
Caproic acid. (Under Leucine.)
Carbazole.
Catechol ethylenic ether.
Cinnamonitrile.
Cinnamylidene*di*aminocrotononitrile.
Citraconimide.
Creatine.
Cresol.
Deamidoalbuminic acid.
Dibenzylidenehydrazone.
3 : 5-Diethoxy-*o*-aminophenol.
3 : 5-Diethoxyethenyl-2-aminophenol.
Dihydroxy-*m*-xylene.
Dimethylaminomethylazimidobenzene
Dimethylaniline.
Dimethylpurine.
Diphenylamine.
Diphenylaminesulphonic acid.
Diphenylmethylamine.
Diphenyltetrazole.
Diphenyltetrazoline.
Ditolylphthalide.
Ethenyltriaminonaphthalene.
Ethoxypurine.
Ethylidenesuccinic acid.
Ethylidenesuccinimide.
Ethylmaleimide.
Fluoran.
Fumaramic acid.
Fumaric acid.
Glycocine.
Glyoxime *N*-phenylic ether.
Guaiacol.
Hemipinic isoimidine.
Hexamethyl*tri*aminotriphenylmethane.
cyclo-Hexane.
Hydantoic acid.
Hydantoin.
Hydroxybenzylideneaminobenzylidenephenylhydrazone.
Hydroxybenzylideneguanidine.
Hydroxydimethylpyridine.
Hydroxydimethylquinoline.
Hydroxylepidine.
Hydroxymesitylene.
Hydroxymethylethylquinoline.
Hydroxymethyllepidine.
Hydroxymethylquinoline.
p-Hydroxyphenylpropionic acid.
Hydroxyquinoneimide.
Lepidine.

Amino-derivatives. See under :—
ψ-Lutidostyril.
ψ-Lutidostyrilcarboxylic acid.
Maleamic acid.
Maleic acid.
Menthole.
Menthone.
Mesitylene.
p-Methoxybenzylidenediaminocrotononitrile.
Methoxycoumarin.
2-Methoxyphenol.
Methylacetophenone.
p-Methylaminophenol.
Methylaniline.
Methylaspartic acid.
Methylazimidobenzene.
Methylethylquinoline.
Methylethylquinolinesulphonic acid.
Methylitaconic acid.
Methylmenthylamine.
μ-Methyl-*p*-phenoxyacetimidazole.
o-Methylphenylacetaldehyde.
Methylpurine.
Methylquinoline.
Methylquinolinecarboxylic acid.
Methylthiohydantoin.
Naphthaquinoline.
α-Naphthylaniline.
Naphthylphenylenebenzenylamidine.
Ornithin.
Oxymethylpurine.
Pentane.
cyclo-Pentanone.
cyclo-Pentenone.
Phenol.
Phenolsulphonphthalein.
Phenonaphthoxazone.
Phenoxyacetic acid and anhydride.
Phenylaminophenylenebenzenylamidine.
Phenylaniline.
Phenylbenzimidazole.
Phenyldimethylosotriazole.
Phenylethoxytetrahydronaphthylamine.
Phenylic carbonate.
Phenylic ethylenic ether.
Phenyl*iso*naphthaphenazonium.
Phenylphenylenebenzenylamidine.
Phenylquinoline.
Phenylthioglycollic acid.
Phenylthiohydantoic acid.
Phenylthiohydantoin.
Phenyltolimidazoles.
Phenyltriazole.
Phenyltriazoledicarboxylic acid.
Piperonylidene*di*aminocrotononitrile.
Propionamide.
Propionic acid. (Under Tyrosine.)
Propyl-*p*-tolylnitrosamine.
Purine.

Amino-derivatives See under :—
Pyridine.
Pyrogallol.
Quinol.
Quinoline.
Quinone.
Resorcinol.
Strycholcarboxylic acid.
Succinic acid.
Tetrahydronaphthylic ethylic ether.
Tetramethylcarbanilide.
Tetramethyldiaminobenzhydrol.
Tetramethyldiaminodiphenyltetramethyldianthranol.
Tetramethyldiaminophenyloxanthranol.
Tetramethyl-*m*-phenylenediamine.
Tetrethylbenzene.
Tetrethyldiaminodihydroxytriphenylmethane.
Thiophenol.
p-Toluoyl-*o*-benzoic acid.
Tolylanilines.
β-*p*-Tolylbenzimidazole.
p-Tolylbenzimidazole.
Tolylphenylenebenzenylamidine.
p-Tolyltolimidazole.
Trimethylamino*cyclo*hexane.
Trimethyl-*p*-aminophenylium.
1 : 3 : 5 Trimethylbenzene.
Triphenylmethane.
Tyrosine.
Urocaninic acid.
Valeraldehyde.
Valeric acid.
Xylylacetone.
Ammonia in the atmosphere at different seasons (HEINRICH) A., ii, 114.
liquid, electrolysis and conductivity of solutions in (CADY), A., ii, 203.
density of (LEDUC), A., ii, 108.
drying of, by phosphoric anhydride (BAKER), T., 422 ; P., **1898**, 99.
solubility of, in ammonium nitrate (KURILOFF), A., ii, 156.
solubility of, in water below 0° (MALLET), A., ii, 70.
quantity of, carried away from an aqueous solution by a current of air (PERMAN), T., 511 ; P., **1898**, 24.
removal of, from water (BARNES), A., ii, 146.
compound of chromium tetroxide and (WIEDE), A., ii, 28.
aqueous, action of, on lead (ENDEMANN), A., ii, 118.
amounts of, in blood from various blood-vessels (SALASKIN), A., ii, 616.
ingested, excretion of, by men and animals (RUMPF and KLEINE), A., ii, 175.
Ammonia, influence of, on the course of nitrification in natural waters (ADENEY), A., ii, 86.
estimation of, in gas-liquors (DONATH and POLLAK), A., ii, 45.
estimation of, in waters (KÖNIG), A., ii, 313.
Ammonia-soda, analysis of refuse liquid (JURISCH), A., ii, 407.
Ammonium salts, dissolved in liquid ammonia, electrolysis of (CADY), A., ii, 203.
Ammonium, *hyper*borate (MELIKOFF and PISSARJEWSKY), A., ii, 374.
magnesium bromides (SCHULTEN), A., ii, 512.
carbonates and carbamate, yield of carbamide from (BOURGEOIS), A., i, 464.
chloride, formation and decomposition of dry (GUTMANN), A., ii, 291.
vapour density of dry (BAKER), T., 425 ; P., **1898**, 100.
heat of solution and dilution of (STACKELBERG), A., ii, 498.
transference ratios of, in dilute solutions (BEIN), A., ii, 553.
velocities of the ions of, when dissolved in water and glycerol (CATTANEO), A., ii, 211.
partition of, between solid potassium chloride and water (FOCK), A., ii, 154.
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Allylaminoazobenzene.
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Benzeneazophenol.
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Benzeneazotetramethyldiaminobenzidine.
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Benzoylphenetoilazophenol.
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Bisdiazobenzeneanilide.
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Chloralaminoazobenzene.
Cumenediazocyanide.
Cumenediazonium cyanide.
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Diacetyltetrazobenzenehesperitin.
Diazoaminobenzaldehyde.
Diazoaminobenzene.
Diazoaminotoluene.
Diazobenzaldehyde.
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Diazobenzaldehyde-*p*-aminophenyleneamine.
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Diazobenzene.
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Phenylazohydroxymethylamide.
Phenylenediamineazophenyloxamic acid.
Phenylene-*m*-disazo-*m*-phenylenediamine.
Phenylformazylbenzene.
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Tetracetoxyazobenzene.
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Tetramethyl-*m*-phenylenediamineazobenzenesulphonic acid.
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Tetrazodiphenyl chloride.
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Tolenyltetrazotic acid.
Tolueneazobenzoic acid.
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3-*p*-Tolueneazohydroxynaphthaquinone.
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Tolueneazophenol.
Tolueneazosalicylic acid.
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Tolylazocarbamide.
Tolylazohydroxybenzylamide.
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Acetic acid.
Acetic fluoride.
Acetonaphthalide.
Acetonedipyruvic anhydride.
Acetophenone.
o-Acetotoluidide.
Acetotolylhydrazine.
Acetoxybenzylidenemethyl-*p*-tolyl ketone.
Acetoxy-ψ-cumylaniline.
Acetoxy-ψ-cumylic alcohol.
Acetoxy-ψ-cumylic ethylic ether.
Acetylcoumarin.
Acetylidene.
Acetyl-α-naphthylic methylic ether.
Acetylphenylic ethylic ether.
Acraldehyde.
Acraldehydediethylacetal.
Albumin.
Anhydrocamphoronic acid.
Anhydro-*p*-hydroxy-ψ-cumylic bromide.
Aniline.
Anisyl dimethyl diketone.
Anisyl methyl ketone.
α-Arabinose bromosazone.
Azobenzene.
Azoxybenzene.
Behenic acid.
Benzaldehydetolylhydrazone.
Benzene.
Benzeneazophenol.
Benzenediazocarbamidebenzenesulphinic acid.
Benzenediazocyanide.
Benzenediazoimido cyanide.
Benzenediazonium.
Benzenesulphonic acid.
Benzenyltetrazotic acid.
Benzoic acids.
Benzonitrile.
Benzoylpropionic acid.
Bromo-derivatives. See under :—
Benzoyltriacetonamine.
Benzoyltrimethylacetone.
Benzylic cyanide.
Benzylideneacetone.
Benzylideneindanone.
Benzylidenepinacoline.
Benzylsultone.
Bisdiketohydrindene.
Bis-*m*-opindolone.
Bromoform.
Butane.
iso-Butylacetic acid.
Butyramide and *iso*-Butyramide.
Butyric acid and *iso*-Butyric acid.
Butyrylbenzene.
Butyrylethylanilide.
Butyrylmethylanilides.
Camphor.
Carboxyvinylacetic acid.
Carmin.
Casein.
Cholylic acid.
Cinnamaldehyde-diethylacetal and -dimethylacetal.
Cinnamamide.
Cinnamic and *allo*-Cinnamic acids.
Cinnamylbromamide.
Coumarone.
p-Cresol.
o-Cresolsulphonphthalein.
Dehydrocorydaline.
Diacetyl-*p*-hydroxy-ψ-cumylic alcohol.
Diazoaminotoluene.
Diazobenzene.
Diazobenzenebenzenesulphinic acid.
Diazocarbamide.
Diazonium chloride, iodide, and salts.
Di*iso*butylacetic acid.
Dicamphor.
Dicyanimidodibromdihydroxyquinone.
Diethoxyquinone.
Diethylorcinol.
Dihydrobis-*m*-opindolone.
Dihydro-β-camphylic acid.
Dihydro*iso*lauronolic acid.
Dihydroxybenzylideneindanone.
Dihydroxynaphthalene.
Dihydroxyphenylbutyrolactone.
2 : 4-Dihydroxypyridine.
Dihydroxypyridinecarboxylic acids.
Dihydroxytetramethylstilbene.
Dimethoxydibenzylideneacetone.
Dimethylaniline perhaloids.
Dimethylglutaric acid.
Dimethylphenacylideneflavene.
Diphenylethane.
Diphenyl ethyl ketone.
Diphenylhydroxylamine.
Ethane.
Ethoxyquinoline.

Bromo-derivatives. See under :—
Ethylamine.
Ethylbenzene.
Ethylene.
Ethylenic bromide.
Ethylglutaric acid.
Ethylic propylic ether.
Ethylindolinone.
Ethyloxindole.
Ethylphthalimide.
Fenchene.
Furfuraldehydetolylhydrazone.
Guaiacol.
Helicin.
Helicoidin.
Hemipinic *iso*imidine.
cyclo-Heptanecarboxylic acid.
cyclo-Heptenecarboxylic acid.
Heptylic bromide.
Hexane.
cyclo-Hexane.
$\gamma\delta$-Hexenic acid.
Hydrazobenzene.
Hydrocœrulignone.
o-Hydroxyacetophenone.
Hydroxybenzylacetophenone.
Hydroxybenzylideneacetophenone.
Hydroxybenzylideneindanone.
Hydroxybenzylidenemethyl *p*-tolyl ketone.
Hydroxybromindone.
Hydroxy-ψ-cumylaniline.
p-Hydroxy-ψ-cumylic ethylic ether.
Hydroxymethoxybenzylideneindanone.
Hydroxyphenylbutyric acid.
4-Hydroxytetramethylpiperidine.
α-Hydroxyvaleric acid.
Indone.
Indoneacetoacetic acid.
Indonemalonic acid.
ψ-Ionone phenylhydrazone.
Kolatannin.
Lactone, $C_{10}H_{15}BrO_3$.
Lauric acid.
iso-Lauronolic acid.
Maleic acid.
Malic acid.
Malonic acid.
Meroquinenine.
Methane.
o-Methoxyphenylcarbamic acid.
Methylamine.
Methylethylindolinone.
2-Methyl-6-heptanone.
Methylindolinone.
Methylmorphimethinmethylic iodide.
Methylphthalimide.
Methylpyromucic acid and bromide.
Morin.
Morphenol methylic ether.
Morphine.
Naphthalenecarboxylic acid.

Bromo-derivatives. See under :—
Naphthaquinone.
Naphtholazophenylbenzimidazole.
Naphthaquinoline.
Naphthylamine.
Opianamide.
Opianic chloride.
Opiazone.
Pentacetylkolatannin.
Penterythritol bromhydrin.
Phenacylideneflavene.
Phenetoil.
Phenetyl dimethyl diketone.
Phenetyl methyl ketone.
Phenolsulphonphthalein.
Phenylacetic acid.
Phenylbenzimidazole-azimide.
Phenyl α-brom*iso*propyl ketone.
Phenyldihydro*iso*indole.
Phenyldimethylosotriazole.
Phenyl ethyl ketone.
Phenylhydrazine.
Phenylhydroxylamine.
Phenylindolinone.
Phenyl methyl ketone.
Phenyl β-phenylethyl ketone.
Phenylphenylethyltriazole.
Phenyl propyl ketones.
Phenylsulphonehydrazobenzene.
Phenyltolimidazole.
Phenylurethane.
Phenylvaleric acid.
Phthalic acid.
Picrin.
Picropodophyllin.
Pimelic acid.
Piperidine.
Propaldehyde.
Propaldehyde-diethylacetal and -dimethylacetal.
Propane.
Propanetetracarboxylic acid.
Propionamide.
Propionic acid.
Propionylbenzene.
Propionylethylanilide.
Propionylmethylanilide
Propyloxindole.
Pyruvic tolylhydrazone.
Resorcinol.
Resorcinolsulphonphthalein.
Salicin.
Salicylaldehyde.
Salicylaldehydetolylhydrazone.
Salicylaldoxime.
Salicylic acid.
Saligenin.
Strophanthidin.
Substance $C_8H_{12}OBr_2$.
Succinic and *iso*-Succinic acids.
Telluroanisoil.
Tellurophenetoil.

Bromo-derivatives. See under :—
Tetracetylmorin.
Tetracetylsalicin.
Tetramethyldiaminobenzophenone.
Toluene.
Tolueneazo-α-naphthol.
Tolueneazophenol.
Tolueneazosalicylic acid.
Toluenediazonium.
Toluenedisulphonic acid.
p-Toluidine.
Tolylallylthiosemicarbazide.
p-Tolyl ethyl ketone.
Tolylimidazole.
Tolylphenylthiosemicarbazide.
p-Tolyl propyl ketone.
Tolylsemicarbazide.
Tolyltolimidazole.
Triacetonamine.
Triethoxypropane.
Triethylallylammonium.
Triethylpropylammonium.
Trimethyleneglycol.
Trimethylpiperidine.
Triphenylethylene.
Tropinone.
Urocanidine.
Urocaninic acid.
iso-Valeric acid.
iso-Valerylethylanilide.
Veratrole.
α-Vinylglutaric acid.
Vinylic ether.
Vinylideneoxanilide.
Xylenediazocyanide.
Xyloquinone.
Xylylene-*o*-anisidine.
Xylylene-bis-*o*-bromaniline.
Xylylene-α-naphthylamine.
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Methylethylmalonic acid.
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Acetic acid and chloride.
Aceto-*p*-amidodimethylaniline.

Chloro-derivatives. See under :—
Acetonaphthalide.
Acetone.
Acetophenonecarboxylic acid.
Acetylanisoil.
Acetylidene hydroxide.
Acetyl-α-naphthylic methylic ether.
Acetylphenetoil.
Acetylphenylacetic acid.
Acetylphenylbenzamidine.
Acetylphenylic ethylic ether.
Acetylpropionamide.
Acetylpyruvic chloralide.
Acrylic acid.
Adenine.
Albumin.
iso-Amylaminooxyquinone.
Amylic alcohol.
Anhydrocamphoronic chloride.
Aniline.
Anilinobenzoparoxazine.
Anilino-α-phenylacetic acid.
Anilino-α-propionic acid.
Anisoil.
Anisyl methyl ketone.
Azobenzene.
Azoxybenzene.
Benzaldehyde.
Benzanilidimidochloride.
Benzene.
Benzenediazocyanide.
Benzenediazonium.
Benzenylanilidoxime.
Benzodiethylacetal.
Benzodimethylacetal.
Benzoic acids.
Benzonitrile.
Benzophenone.
Benzoylpyruvic chloranilide.
Benzylbenzaldoxime.
Benzyl*iso*benzaldoxime.
Benzylhydroxylamine.
Benzylic cyanide.
Benzylidene-α-naphthylamine.
Benzylidenic chloride.
Benzylphenol.
Bisdiketohydrindene.
Bismuthotrianisyl.
Butane and *iso*-Butane.
Butylic alcohol.
Caffeine.
Camphene.
Camphor.
Carbazole.
Carbocinchomeronic acid.
Carbon tetrachloride.
Carvacrol.
Casein.
Catechol.
Chloral.
Chloroform.
Cinnamic acid.

Chloro-derivarives. See under :—
Cœrulignone.
Coumarone.
Cresol and *p*-Cresol.
Cyanethine.
Cyanuramide.
Cyanuric chloride.
Cymene.
Cymenesulphonic acid.
Diacetoxynaphthalene.
Diacetyldiphenylic ethylenic ether.
Di*iso*amylaminoquinone.
Dianisylstibinetrichloride.
Diazoaminobenzene.
Diazobenzene.
Diazonium bromide.
Dibenzylhydroxylamine.
β-Diethoxyacrylic acid.
Diethoxy*tetra*chlorodimethyltetroxan.
Diethoxypurine.
Dihydrobenzene.
Dihydro-β-camphylic acid.
Dihydro-*m*-xylene.
Dihydroxynaphthalene.
Dihydroxynicotinic acid.
Diketotetrahydronaphthalene.
Dimethenetetroxan.
Dimethenetrioxin.
Dimethoxymethylphthalide.
Dimethoxyquinone-diethyldiacetyl-acetal, and -dimethyldiacetylacetal.
Dimethoxyquinonedimethylhemi-acetal.
Dimethylhypoxanthine.
Dimethyloxypurine.
Dimethylpurine.
Dimethylpyridinecarboxylic acid.
Dimethyltetroxan.
Dimethyltrioxin.
Diphenoxythiophosphamide.
Diphenoxythiophosphoryl chloride.
Diphenylbenzene.
Diphenylphosphoric chloride.
Ethane.
Ethoxymethylpurine.
Ethoxypurine.
β-Ethylamylamine.
Ethyl*iso*amylamine.
Ethylcedriret.
Ethylenic chloride.
Ethylic propylic ether.
Ethylidenebutylxylyl methyl ketone.
Ethyloxindole.
Fenchene.
Fenchenephosphonic acid.
Formazylbenzenecarboxylic acid.
Fumaric acid.
Glyceryl chlorhydrin.
Glyoxylic acid.
Guanine.
Harmine.
Helicin.

Chloro-derivatives. See under :—
Helicoidin.
cyclo-Heptanecarboxylic acid.
cyclo-Hexane.
Hydrobenzamide.
Hydroxyacetophenone.
Hydroxy*cyclo*hexane.
Hydroxylepidine.
Hydroxymethylethylquinoline.
Hydroxymethylquinoline.
Hydroxypropacetal.
Hydroxypropylphthalazine.
Hydroxypyridine.
Hydroxyquinoline.
Hypoxanthine.
Lepidine.
Lepidinic acid.
Leucodimethyllignone-blue.
Lutidinecarboxylic acid.
Maleic acid.
Malonic acid.
Mandelic acid.
Mandelonitrile.
Methoxybenzaldehyde.
Methoxybenzoic acid.
Methyladenine.
Methylaminomethylpurine.
Methylaniline.
Methylchloroform.
Methylenephthalyl.
Methylenic chloride.
Methylethylpyridinedicarboxylic acid.
Methylethylquinoline.
2-Methyl-6-heptanone.
o-Methylhexahydrobenzoic acid.
Methylic ether.
Methylic ethylic ether.
Methyloxypurine.
Methylphenomorpholine.
Methylphthalazine.
Methylphthalimide.
Methylpurine.
Methylquinoline.
Methylquinolinecarboxylic acid.
3-Methylxanthine.
Naphthacenequinone.
Naphthylamine.
Naphthylic phosphate.
Papaverine propochloride.
iso-Pentane.
cyclo-Pentanedione.
cyclo-Pentanone.
cyclo-Pentenedione.
cyclo-Pentenone.
Phenetoil.
Phenoxyacetone.
Phenylacetic acid.
Phenyl benzyl ketone.
Phenylbutyltriazole.
Phenylcarbamacetic acid.
Phenylchloroform.
Phenyldihydro*iso*indole.

Chloro-derivatives. See under :—
Phenyldipiperidine-*N*-phosphine.
Phenylditolylmethane.
Phenyl ethyl ketone.
Phenylic carbonate.
Phenylic ether.
Phenylic iododichloride.
Phenylic methylphosphinate.
Phenylic phosphate.
Phenylic phosphite.
Phenylic piperazinediurethane.
Phenyl methyl ketone.
Phenylmethylpyrrodiazole.
Phenylmethylpyrrodiazolone.
Phenylnaphthaphenazonium chloride.
Phenylphenazonium chloride.
Phenylphenylethyltriazole.
Phenylpropyltriazole.
Phenylpyrrodiazole.
Phenylpyrrodiazolonecarboxylic acid.
Phenylpyrrodiazolones.
Phenyl*apo*saffranine.
Phenylsulphonehydrazobenzene.
Phloroacetophenone chloride.
Propaldehydediethylacetal.
Propane.
Propionic acid.
Propylene.
Propylic alcohol.
Propylic chloride.
Propyloxindole.
Proteinochrome.
Protocatechuic acid.
Purine.
Pyridine.
Pyridinetricarboxylic acid.
Quinoline and *iso*-Quinoline.
Rosamine.
apo-Saffranone.
Salicin.
Salicylaldehyde.
Salicylaldoxime.
Salicylic acid.
Saligenin.
Selenoacetone.
Selenoacetophenone.
Succinic acid.
Succinophenylamic acid.
Telluroacetophenone.
Telluroanisoil.
Telluro-*p*-anisyl methyl ketone.
Tellurophenetoil.
Telluroresorcinol.
Telluro-*p*-tolyl methyl ketone.
Tetracetylsalicin.
Tetr*iso*amyldiamino-quinone and -oxy-quinone.
Tetrethyldiaminodihydroxytriphenyl-methane.
Theobromine.
Thymol.
Thymoquinone.

Chloro-derivatives. See under:—
Toluene.
Toluenedisulphonic acid.
Toluenesulphonic acid.
Tolylic methylic ethers.
Trianisystibic acid.
Trimethylenic chlorhydrin.
Triphenolmethylphosphonium.
Triphenylethanone.
Triphenylethylene.
Triphenylmethane.
Vanillin.
Vanilloin.
Veratrole.
Xanthen.
Xanthine.
Xanthone.
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Chocolate, estimation of sugar in (ROCQUES), A., ii, 195.

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Cholechrome, preparation of, from liver and its properties (DASTRE and FLORESCO), A., i, 607.

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Chromium arsenates (TARUGI), A., ii, 119.
carbide (MOISSAN), A., ii, 161.
*sesqui*oxide (*chromic oxide*), blue glass containing (DUBOIN), A., ii, 593.
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Apigenin.
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Bismarck-brown.
Carminic acid.
Chlorophyll.
Cholechrome.
Chrysin.
Chrysoidine.
Cœrulignone.
Crystal-violet.
Diacetyldiazobenzene-euxanthone.
Diamine dyes.
Diazobenzeneapigenin.
Diazobenzenechrysin.
Diazobenzene-euxanthone.
Diazobenzenemorin.
Dimethyllignone-blue.
Dimethylphenosaffranine.
Dimethyl*apo*phenosaffranine.
Dimethylrosinduline.
Dimethylsaffranine.
Dimethyl*apo*saffranine.
Disazo-colouring matters.
p-Ethoxyglauconic acid.
Ethylsaffraninone.
Ethylsaffranol.
Ethyltolusaffranine.
Ethyltolu*apo*saffranone.
Euxanthone.
Ferrin.
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Indigo.
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Leucaniline.
Luteolin.
Magenta.
Malachite-green.
Methoxyrosindone.
Methylaminosaffranine.
Methylene-blue.
Methylenelignone-blue.
Methylphenetolyl*apo*saffranine.
Methyl*apo*saffranine.
Methyltolusaffranine.
Moin.
Myricetin.
Myrticolorin.
β-Naphthaglauconic acid.
α-Naphthylsaffranol.
Osyritrin.
Oxyhæmoglobin.
Phenylrosinduline.
Phenylsaffranine.
Phenyl*apo*saffranine.
Phenylsaffranolcarboxylic acid.
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Dimethyltricarballylic acid.
Diphenyltetrazolium
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Acraldehydeacetal.
Anisaldehydeacetal.
p-Azoxyanisoil.
p-Azoxyphenetoil.
Benzhydrol ether.
Benzhydrol ethylic ether.
Benzimido-*iso*butylic, -ethylic, -methylic and -propylic ethers.
Benzobenzimidomethylic ether.
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$C_{10}H_{16}O$, from nitrosopinene bromide (WALLACH and SMYTHE), A., i, 486.
$C_{13}H_{18}O$, obtained from butyltoluic acid chloride and sodium ethylic acetoacetate (BAUR-THURGAU), A., i, 524.
$C_{16}H_{14}O$, from the condensation of phenylacetone with benzaldehyde (VON KOSTANECKI and LACZKOWSKI), A., i, 32.
Ketones, aromatic, reduction of (KLAGES and ALLENDORFF), A., i, 433.
fatty, action of ethylic cyanacetate and ammonia on (PASQUALI), A., i, 272.

Ketones, unsaturated, absorption of violet rays of light by (WALLACH), A., i, 194.
Ketones and **Quinones**. See :—
Acetone.
Acetophenone.
Acetophorone and *iso*-Acetophorone.
Acetoxybenzylideneacetophenone.
Acetoxybenzylidenemethyl *p*-tolyl ketone.
Acetylacetone.
Acetylanisoil.
Acetyl*iso*butyrylmethane.
Acetylcoumarin.
Acetyl-ψ-cumene.
Acetyldiphenyldiketodihydropyrroline.
Acetyl-3′-ethyl-2′-indolinone.
Acetyl-3′-methyl-2′-indolinone.
Acetyl-α-naphthylic methylic ether.
Acetylphenetoil.
Acetylphenylic ethylic ether.
Acetyl-3′-phenyl-2′-indolinone.
Acetylthienone.
Acetyl-*p*-xylene.
iso-Amylamineoxyquinone.
Anhydrobisdimethoxydiketohydrindene.
Anilinobenzylideneacetylacetone.
Anilinobenzylidenebenzoylacetone.
Anilinotetrahydro-α-naphthaquinone.
Anisyl methyl ketone and diketone.
Anthraquinone.
Azelaone.
Benzeneazohydroxynaphthaquinone.
Benzoin.
Benzophenone.
Benzoylacetone.
p-Benzoylcumene and Benzoyl-ψ-cumene.
Benzoyldiphenyldiketodihydropyrroline.
p-Benzoyldiphenylsulphone.
Benzoylmethyl*cyclo*hexenone.
Benzoylphenyl-β-naphthyldiketodihydropyrroline.
Benzoyltrimethylacetone.
Benzylideneacetone.
Benzylideneacetophenone.
Benzylidenecoumaranone.
Benzylidenediacetylacetone.
Benzylidenedipropylketone.
Benzylideneindanone.
Benzylidenepinacolin.
Benzylidenepiperonalacetone.
Benzylideneresacetophenone.
Benzyliminoacetophenone.
Benzyliminoanisyl phenyl ketone.
Benzyliminobenzophenone.
Benzyl methyl ketone.
Benzyloxymethoxyphenylethylketone.
Benzylstyryl ketone.
Ketones and **Quinones**. See :—
Bisdiketohydrindene.
Butylxylyl-amyl ketone,-butylketone, and -methyl ketone.
Butyrylbenzene.
Camphorone.
Camphorquinone.
Carvanone.
Cedrone.
Cinnamoyldiphenyldiketodihydropyrroline.
Cinnamylideneindanedione.
Coumarone.
Deoxybenzoin.
3 : 4-Diacetylcinnamylidenecoumaranone.
Diacetamidoquinone.
Diacetyldiphenylic ethylenic ether.
Di*iso*amylaminoquinone.
Dibenzoylbutane.
Dibenzoylmethane.
Dibenzoylmethyl propyl ketone.
Dibenzylideneacetone.
Dibenzylideneacetophenone.
Dibenzylidenediethyl ketone.
Dibenzylidenepinacone.
Dibenzylidenesuberone.
Di*iso*butyl ketone.
Dicyanimidobenzoquinone.
Dicyanimidodihydroxyquinone.
3 : 4-Diethoxycinnamylidenecumaranone.
Didi*iso*amylamino-quinone and -oxyquinone.
Diethoxyquinone.
Diethylaminoanthraquinone.
Diethyl ketone.
Dihydrocamphoketone.
Dihydrocarvone.
Dihydroxyacetone.
Dihydroxybenzylideneindanone.
Dihydroxybisdiketohydrindene.
3 : 4-Dihydroxycinnamylidenecumaranone.
Dihydroxynaphthacenequinone.
Di*iso*propylacetone.
Diketodimethyldihexahydrophenyl.
Diketo-octohydrophenanthrene.
Diketotetrahydronaphthalene.
Dimethoxybisdiketohydrindene.
Dimethoxydibenzylideneacetone.
Dimethoxydiketohydrindene.
Dimethoxydiphenyltetrahydropyrone.
Dimethoxyketocoumaran.
Dimethoxyquinone.
Dimethylaminoanthranol.
Dimethylaminoanthraquinone.
Dimethylbisdiketohydrindene.
3′ : 3′-Dimethyl-2′-indolinone.
Dimethylphenacylideneflavene.
Dinaphthaquinone.
Di-β-naphthaquinone oxide.

Ketones and **Quinones.** See :—
Di-*p*-oxyacetophenonediphenylpiperazine.
Diphenacyldimethylammonium.
Diphenacylmethylamine.
Diphenyldiethylhydropyrone.
Diphenyldiketodihydropyrrolines.
Diphenyl ethyl ketone.
Diphenyltetrahydropyrone.
Ethoxybenzylideneindanedione.
Ethoxybenzylidenepiperonalacetone.
3-Ethoxyflavone.
Ethyldioxindole.
Ethylideneacetylacetone.
3′-Ethyl-2′-indolinone.
Ethylketobenzomorpholine.
α-Ethylketodihydrobenzo-*p*-thiazine.
Ethyloxindole.
Ethylphenoxazine-*o*-quinone.
Ethylsaffraninone.
Ethyltol*uapo*saffranone.
Fenchocamphorone.
Fenchone.
Flavone.
cyclo-Formazyl methyl ketone.
Furfuracrylideneacetone.
Furfuracrylideneacetophenone.
Furfurylideneindanedione.
Heptanonesulphonal.
Hexahydropropiophenone.
cyclo-Hexyl ethyl ketone.
Hydrocotoin.
Hydroxyacetophenone.
Hydroxybenzylacetophenone.
Hydroxybenzylideneacetophenone.
Hydroxybenzylideneindanedione.
Hydroxybenzylideneindanones.
Hydroxybenzylidenemethyl *p*-tolyl ketone.
Hydroxybenzylidenepiperonalacetone.
Hydroxybisdiketohydrindene.
Hydroxycarbofenchonone.
Hydroxydibenzylideneacetone.
3-Hydroxyflavone.
Hydroxymethoxybenzylideneindanone.
Hydroxymethylbenzylideneacetophenone.
Hydroxymethylbenzylidenediacetophenone.
Hydroxytrimethylketodihydropyridine.
2′-Indolinone.
Ionone and *ψ*-Ionone.
Ketobenzomorpholine.
Ketodihydrobenzo-*p*-thiazine.
Ketoethylhexamethylene.
Ketopentamethylene.
Mesityl oxide.
Methoxybisdiketohydrindene.
Methoxymethylbisdiketohydrindene.
Methoxyphenacyl-*p*-phenetidine.

Ketones and **Quinones.** See :—
Methylacetophenone.
Methyl *iso*butyl ketone.
Methylenediacetylacetone.
1′-Methyl-3′-ethyl-2′-indolinone.
Methyl ethyl ketone.
Methylfluorenone.
2-Methyl-6-heptanone.
2-Methyl-6-heptanone-2-ol.
Methylheptenone.
Methylhexanonesulphonal.
Δ^6-Methyl*cyclo*hexenone-3.
3′-Methyl-2′-indolinone.
Methylketobenzomorpholine.
α-Methylketodihydrobenzo-*p*-thiazine.
Methylketodiphenyltetrazolium.
p-Methyloctylphenyl methyl ketone.
2-Methyl*cyclo*pentanone.
2-Methylphenacylideneflavene.
p-Methyl-*α*-phthalimidoacetophenone.
Methylpropylenediketohexamethylene.
Methyl propyl ketone, and Methyl *iso*propyl ketone.
Naphthacene-quinone and -diquinone.
Naphthaleneazohydroxynaphthaquinone.
Naphthaquinones.
1-Naphthoxyacetone.
β-Naphthyl *iso*butyl ketone.
β-Naphthyl-ethyl ketone, -methyl ketone, and -propyl ketone.
Octylphenyl-methyl ketone and -phenyl ketone.
p-Oxyacetophenonephenylcarbamide.
Pentahydroxybenzophenone.
cyclo-Pentane-1 : 3-dione.
cyclo-Pentanone.
cyclo-Pentene-1 : 3-dione.
cyclo-Pentenone.
Phenacyldimethylamine.
Phenacylideneflavene.
Phenacylmethylamine.
Phenacyltrimethylammonium.
Phenanthraquinones.
Phenetyl dimethyl diketone.
Phenetyl methyl ketone.
Phenoxyacetone.
Phenyl anilinoethyl ketone.
Phenyl anilino*iso*propyl ketone.
Phenyl benzyl ketone.
Phenyl ethyl ketone.
3′-Phenyl-2-indolinone.
Phenylketodiphenyltetrazolium.
α-Phenylketodihydrobenzo-*p*-thiazine.
Phenyl methylanilinoethyl ketone.
Phenyl methyl ketone.
Phenyl naphthylaminoethyl ketones.
Phenyl naphthylaminopropyl ketone.
Phenyl *β*-phenylethyl ketone.
Phenyl propyl ketones.
Phenyl toluidinoethyl ketone.

Ketones and Quinones. See :—
Phenyl *m*-xylidino-ethyl ketone and -propyl ketone.
Phloroacetophenone.
Phorone.
Pinacone.
Pinocamphone.
Pinocarvone.
Piperonalresacetophenone.
Propionylbenzene.
iso-Propylacetone.
Propyldioxindole.
Propyloxindole.
γ-Pyridone.
Pyridoquinone.
Quinone.
Retenequinone.
Selenoacetone.
Selenoacetophenone.
Stilbyl methyl ketone.
Strychnine acetophenone.
Sulphobenzeneazohydroxynaphthaquinone.
Sulphonaphthaleneazohydroxynaphthaquinone.
Telluroacetophenone.
Telluro-*p*-anisyl methyl ketone.
Telluro-*p*-tolyl methyl ketone.
Tetrahydrobenzophenone.
Tetrahydroeucarvone.
Tetramethyldiaminobenzophenone.
Thymoquinone.
Tolueneazohydroxynaphthaquinone.
Toluquinone.
p-Tolyl anilinoethyl ketone.
p-Tolyl ethyl ketone and -propyl ketone.
β-*p*-Tolyl pyridyl ketone.
Triacetonamine.
Trianisylstibine.
Tribenzoylmethane.
Trihydroxyphenyl hydroxy-β-naphthyl ketone.
Trimethyldihydrohexone.
Trimethyldiketotetrahydropyridine.
1′: 3′: 3′: Trimethyl-2′-indolinone
Triphenylethanone.
Tropanetrione.
Tropinone.
Xylitone.
Xylylacetone.
Xylyl anilinoethyl ketone.
Xylyl ethyl ketone.
p-Xylyl methyl ketone

Ketonic acid, $C_{10}H_{18}O_3$, from tetrahydroeucarvone ; semicarbazone and oxime (VON BAEYER and VILLIGER), A., i, 676.

α-Ketonic acids, conversion of, into α-amino- acids (ERLENMEYER), A., i, 669.
ethereal salts, the tautomeric forms of (SCHIFF), A., i, 464.

β-Ketonic acids, formation of (RUHEMANN and BROWNING), T., 727 ; P., **1898**, 168.

Ketopentamethylene. See *cyclo*-Pentanone.

Ketophenylhomoparaconic acid, ethylic salt, action of sulphuric acid on (WISLICENUS and KIESEWETTER), A., i, 240.

Ketophenylparaconic acid, ethylic salt, action of ferric chloride on (MORRELL and CROFTS), T., 347 ; P., **1898**, 65.

Kidney, origin and percentage of lecithin in certain tumours of (GATTI), A., ii, 244.

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Kola, estimation of caffeine in ; separation of the alkaloids from ; probable presence of a diastatic ferment in (KNOX and PRESCOTT), A., i, 278.

Kolanin, composition of (KNOX and PRESCOTT), A., i, 278.

Kolatannin, extraction of, and its *tri-*, *tetra-*, *penta-* and *hexa*-bromo-derivatives (KNOX and PRESCOTT), A., i, 587.

Koppite, synthesis of (HOLMQUIST), A., ii, 389.

Koprosterol. See Coprosterol.

Krennerite, from Colorado (CHESTER), A., ii, 602.

Ktypeite, a new form of calcium carbonate (LACROIX), A., ii, 604.

Kyanite from North Carolina (PRATT), A., ii, 342.

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Labradorite from Virginia (WATSON), A., ii, 612.

Laccase, preparation of, free from manganese (BERTRAND), A., ii, 128.
oxidising power of, associated with manganese (BERTRAND), A., i, 53, 128.

Lactic acid (*i-ethylidenelactic acid α-hydroxypropionic acid*), occurrence of, in Algerian wine (MULLER), A., ii, 42.
preparation of (KASSNER), A., i, 296.
use of zinc oxide in preparation of (GADAMER), A., i, 405.
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heat of neutralisation of, in alcoholic solution (TANATAR and KLIMENKO), A., ii, 563.
effect of temperature on the acidity of (DEGENER), A., i, 404.

Lactic acid (*i-ethylidenelactic acid, α-hydroxypropionic acid*), action of silent electric discharge on, in presence of nitrogen (BERTHELOT), A., i, 559.
reaction of, with amines (BISCHOFF), A., i, 73.
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ethylic salt, action of ethylic iodide on (PURDIE and LANDER), T., 300; P., **1898**, 76.
Lactimide, molecular weight of (RICHARDSON), A., i, 242.
obtained by condensation of *p*-hydroxybenzaldehyde with hippuric acid (ERLENMEYER and HALSEY), A., i, 197.
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$C_8H_{12}O_2$, from the oxidation of *iso*acetophorone (BREDT and RÜBEL), A., i, 264.
$C_{10}H_{16}O_2$, from α-fenchocarboxylic acid (WALLACH), A., i, 487.
$C_{10}H_{15}BrO_2$ (TIEMANN), A., i, 375.
$C_{10}H_{15}BrO_2$, from potassium fencholenate (WALLACH), A., i, 488.
$C_{16}H_{14}O_5$, obtained from condensation product of orcinol with chloral hydrate; and its acetyl and benzoyl derivatives (HEWITT and DIXON), T., 400; P., **1898**, 103.
Lactones. See also:—
Campholactone.
Cannabinolactone.
Dihydroxyphenylbutyrolactone.
Dimethylanilinophthalide.
ββ-Dimethylbutyrolactone.
Dimethyleneglucoheptonic lactone.
Glucoheptonic lactone.
Hexahydrophthalide.
γ-Hydroxy-α-*iso*butylvalerolactone.
Hydroxydimethylhexolactone.
Hydroxyionolactone.
α_1-Hydroxy-α_1-methyl-α-*iso*butylglutarolactone.
γ-Hydroxypimelolactone.
Methylenerhamnonic lactone.
Methylphenomorpholone.
Oxalocitric acid, lactone of.
Oxycannabin.
1-Phenylnaphthalene-2-carboxy-3-methylene lactone.
Lactones. See also:—
8-Phenyl-8-valerolactone-γ-carboxylic acid.
Picropodophyllin.
Pulegenic lactone.
Pulegenolide.
Rhamnonic lactone.
Triphenylcarbinoltricarboxylolactone.
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iso-**Lauronolic acid**, silver, methylic, ethylic salts ; constitution ; reduction ; conversion into sulphocamphylic and *iso*lauronic acids (PERKIN), T., 828 ; P., **1895**, 23 ; **1897**, 200 ; **1898**, 169.
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iso-Butyronitrile.
Cinnamylidene*di*aminocrotononitrile.
d-Galactose, nitrile of.
iso-Heptenonitrile.
Lactonitrile.
Mandelonitrile.
p-Methoxybenzylidene*di*aminocrotononitrile.
Pentacetylgalactonic nitrile.
Pentenonitrile.
δ-Phenoxy-α-ethylvaleronitrile.
Pinocamphonitrile.
Piperonylidene*di*aminocrotononitrile.
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Acetamidophenoxyacetic acid.
Acetanilide.
Acetic acid.
Acetobenzamide.
Acetotoluidide.
Acetoxymethylcoumarazine.
Acetylbutyltoluene.
Alloxanphenylhydrazone.
Amylenic glycol (2-*methylol*-1-*butanol*).
iso-Amylic alcohol.
Amyl*iso*nitramine.
Aniline.

Nitro-derivatives. See under :—
Anilino-β-*iso*butyric acid.
Anilino-α-phenylacetic acid.
Anilino-α-propionic acid.
Anisenyltetrazotic acid.
Benzacetophenylhydrazide.
Benzaldehyde.
Benzaldehyde-diethylacetal and -dimethylacetal.
Benzaldehydesulphonic acid.
Benzamidine.
o-Benzamido-*p*-nitro-β-naphthylaniline.
o-Benzamido-*p*-nitrophenylaniline.
o-Benzamido-*p*-nitrotolylaniline.
Benzanilide.
Benzanilidimido-chloride.
Benzene.
Benzeneazohydroxynaphthaquinone.
Benzeneazophenol.
Benzenylanilidoxime.
Benzenylhydrazidine.
Benzenyltetrazotic acid.
Benzhydroxamic acid.
Benzimido-ether.
Benzo-diethylacetal and -dimethylacetal.
Benzoic acetic peroxide.
Benzophenone.
Benzoylacetone.
Benzoylbenzhydroxamic acid.
Benzoylmethylanilide.
Benzoyltriphenylcarbinol.
Benzylacetic acid.
Benzyl*iso*benzaldoxime.
Benzyl*iso*cinnamaldoxime.
Benzylic chloride and cyanide.
Benzylideneacetone.
Benzylidene*di*aminocrotononitrile.
Benzylideneaminoguanidine.
Benzylideneaminonaphthol.
Benzylideneaminosalicylic acid.
Benzylidenebutylxylyl methyl ketone.
Benzylidene*di*-*iso*nitramine.
Benzylidene*iso*phorone.
Benzylmethane.
Benzylmethylnitramine.
Benzylnitramine.
Benzylnitrosohydroxylamine methyl ether.
Benzylnitrourethane.
Benzylsulphonic acid.
Benzylsultone.
Benzylurethane.
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Butane and *iso*-Butane.
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Butylic alcohol.
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Butylxylyl amyl, butyl, and methyl ketones.
Butylxylylcarboxylic acid.
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Butyramide.
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Campholactone.
Camphor.
Catechol ethylenic ether.
Cellulose.
Cholylic acid.
Cinnamic acid.
Cinnamamide.
Cinnamonitrile.
Cinnamylidene*di*aminocrotononitrile.
Coumarone.
Cresol.
iso-Dehydrophenylbenzylidene-hydrazone and -hydrotetrazone.
Desmotroposantonin.
Diacetylbutandiol.
tert-Diacetylpentandiol.
Diazobenzene.
Diazobenzoimide.
Diazotoluoimide.
Dibenzhydroxamic acid.
Dibenzyl.
Dibenzyl-α-carboxylic acid.
Dibenzyldisulphonic acid.
Dibenzylideneacetophenone- *o*-nitraniline and -nitrotoluidine.
Diethylamine.
Diethylcarbinol.
Diethylnitramine.
Diethyloxamide.
Dimethylaminomethylazimidobenzene.
Dimethylaniline.
Dimethylcarbonylnitrosamine.
Dimethyllignone-blue.
Dimethylnitramine.
Dimethylphenosaffranine.
Dinitrosacyl.
Diphenylamine.
Diphenylbenzylidenehydrotetrazone.
Diphenyldihydrotetrazine.
Diphenylmethylamine.
Diphenylmethylazammonium hydroxide.
Diphenyltetrazine.
Diphenyltetrazole.
Diphenyltriazole.
Ditolylcedriret.
Di-*p*-tolyloxamide.
Ditolylphthalide.
Ethane.
Ethoxyphenyl-*m*-phenyltriazole.
Ethylamine.
Ethylaminobenzoic acid.
Ethylene.
Ethylic alcohol.
Ethylidenebutylxylyl methyl ketone.

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Ethylindolinone.
Ethyl-nitramine and -*iso*nitramine.
Fenchone.
Fluoran.
Fluorenone.
Fluorescein.
Formazylbenzenecarboxylic acid.
Guaiacol.
Harmine and *apo*-Harmine.
Heptane and *iso*-Heptane.
Hexane and *iso*-Hexane.
Hexylenic glycol.
Hydrazo*iso*amylbenzene.
Hydrazo*iso*butylbenzene.
Hydrazo*iso*propylbenzene.
Hydrocellulose.
p-Hydroxybenzaldehyde.
Hydroxybenzophenone.
Hydroxybenzylsulphonamide.
Hydroxybenzylsulphonic acid.
Hydroxydimethylpyridine.
p-Hydroxyformazylbenzene.
Hydroxymethylcoumarazine.
Hydroxyphenyl-*m*-phenyltriazole.
Hydroxytriphenyltetrazolium chloride.
ψ-Lutidostyril.
ψ-Lutidostyrilcarboxylic acid.
Menthone.
Methane.
Methoxybenzylsulphonamide.
Methoxycoumarin.
Methoxyformazylbenzene.
Methoxyphenacyl-*p*-phenetidine.
Methoxyphenylpyruvic acid.
Methoxytriphenyltetrazolium iodide.
Methylaniline.
Methyl*iso*butylcarbinol.
Methylenedi*iso*nitramine.
iso-Methylethylnitramine.
Methylnitramine.
p-Methyloctylbenzene.
Methylpropylcarbinol.
Methyl*iso*propylcarbinol.
Methylquinoline.
Methylquinolinecarboxylic acid.
Naphthacenequinone.
Naphthaquinoline.
Naphthol.
Naphthoxyacetone.
α-Naphthylanilines.
Octane and *iso*-Octane.
Opianic amide and chloride.
m-Opindolone.
Oxycannabin.
Oxycellulose.
Pentane and *iso*-Pentane.
Phenetoil.
Phenonaphthoxazone.
Phenosaffranine.
Phenoxyacetic acid.

Nitro-derivatives. See under :—
Phenoxyacetone.
β-Phenoxydimethylnaphthalene.
Phenyl-*o*-acetaminocinnamonitrile.
Phenylacetic acid.
Phenylaniline.
Phenylazocarbamide.
Phenylazohydroxybenzylamide.
Phenylazo-β-hydroxylaminopropionic acid.
Phenylazohydroxymethylamide.
Phenylbenzylbenzylidenehydrazone.
Phenylcarbinol.
Phenylcarbostyril.
1-Phenyl-3-carboxy-4-phenylhydrazonephthalazone.
Phenyldihydro*iso*indole.
Phenyldimethylosotriazole.
Phenyldimethyl-*m*-phenylenediamine.
Phenylenediethylglyoxal.
Phenylhydrazinedihydrotartaric osazone.
Phenylic *iso*amylic ether.
Phenylic benzylic ether.
Phenylic carbonate.
Phenylic ethylenic ether, ethylic ether, methylic ether, propylic ether.
Phenylpropionamide.
Phenylquinoline.
Phenylsaffranine and Phenyl*apo*-saffranine.
Phenylsemicarbazide.
5-Phenyltetrazole.
Phenyltriazole.
Phenyltriazoledicarboxylic acid.
Phenyltrimethylammonium nitrate.
Phenylxylylenediamine.
Picric acid.
Piperidylbutylic alcohol.
Piperonylidene*di*aminocrotononitrile.
Propane.
Propionamide.
Propylene.
Propylic alcohol.
Propylic chloride.
Propylidenedi*iso*nitramine.
Propyl*iso*nitramine.
Quinoline.
Resorcinol.
Rosinduline.
Salicylic phenylhydrazone.
Stilbenedisulphonic acid.
Styrene.
Tetramethyl*di*aminobenzophenone.
Tetramethyl-*m*-phenylenediamine.
Theobromine.
Thymol.
Tolualdehyde.
Toluenesulphonic acid
Toluidine.

Nitro-derivatives. See under :—
Toluidino*iso*butyric acid.
Toluidino-α-phenylacetic acid.
Toluidino-α-propionic acid.
Toluonitrile.
p-Toluoyl-*o*-benzoic acid.
Tolylacetic acid.
Tolylanilines.
Tolylic methylic ether.
Tolyliodonium iodide.
Tolyloxamic acid.
Tolylpyruvic acid.
Triacetoxy*iso*butane.
Triacetyl*iso*butylglycerol.
Trihydroxy*iso*butane.
Trimethyleneglycol.
Triphenylmethane.
Urethane.
Vanillic acid.
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Vitexin.
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Benzene.
Benzenesulphonehydroxamic acid.
Benzylnitrosohydroxylamine methylic ether.
iso-Butylmenthylamine.
iso-Butyric acid.
iso-Butyronitrile.
Campholactone.
Camphor,
Carbonyldimethylcarbamide.
Carvacrol.
Cresol.
Diacetylbutanediol.
tert-Diacetylpentandiol.
Di*iso*butyl ketone.
Diethylnitrosamine.
Di*iso*propylacetone.
Di*iso*butyl ketone.
Dimethylaniline.
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Antipeptone.
Casein.
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Conglutin.
Cystein.
Cystin.
Deamidoalbuminic acid.
Deuteroalbumose.
Deuteroproteose.
Dysofibrinose.
Edestin.
Elastin.
Ferropeptone.
Fibrin.
Fibrinogen.
Fibrinoglobulin.
Globin.
Globulin.

Proteids. See also:—
Globulins (from maize).
Glucoproteids.
Glutins.
Glutin-peptone.
Glycinin.
Hæmoglobin.
Hemipeptone.
Heteroalbumose.
Heterofibrinose.
Histon.
Iodospongin.
Lecithin.
Legumelin.
Legumin.
Maize-edestin.
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Maysin.
Myoglobulin.
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Cane-sugar (*sucrose*).
Caroubinose.
Cyclose.
Dextrose.
Dulcitol and *iso*-Dulcitol.
Erythritol.
d-Fructose (*levulose*).
Galactoses.
Galtose,
Gentianose.
Glucoheptose.
Glucose (*dextrose*).
Glutose.
Lactose.
Levulose.
Lyxose.
Maltose and *iso*-Maltose.

Sugars. See also :—
Mannitol.
d-Mannose.
Melibiose.
Methylpentose.
Milk-sugar (*lactose*).
Pentoses.
Raffinose (*melitose*).
Rhamnitol.
Rhamnose.
Saccharose (*sucrose*).
Sorbinose.
Sorbitol.
Sorbose.
Sucrose.
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Talose.
Trehalose.
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Benzenesulphonhydroxamic acid.
p-Benzoyldiphenylsulphone.
Cresolsulphonphthalein.
ψ-Cumene*anti*diazosulphone.
Diphenyldiallyldisulphoneoxydisulphide.
Di-*p*-tolylsulphonephenylhydrazine.
p-Methoxysulphonefluorescein.
Naphthylallylsulphone sulphide.

Sulphones. See :—
Naphthyldiamylallyltrisulphone.
Orcinolsulphonphthalein.
Phenolsulphonphthalein and Phenolsulphonphthalin.
Phenylallyldiamyltrisulphone.
Phenylallyldisulphone.
p-Phenylsulphonebenzoic acid.
Pyrogallolsulphonphthalein.
Quinolsulphonphthalein.
Resorcinolsulphonphthalein.
Toluenesulphonic acid ethylsulphone.
Tolylallyldisulphone.
p-Tolylallylsulphonesulphide.
Tolyldiamylallyltrisulphone.
p-Tolyldiphenylallyltrisulphone.
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Diphenylamine.
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m-**Toluenesulphonic acid**, 4-chloro-, and its salts, chloride, amide and anilide (WYNNE and BRUCE), T., 759, 760; P., **1898**, 168.

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p-**Toluenesulphonic acid**, *o*-chloro-, and its salts, chloride, amide and anilide (WYNNE and BRUCE), T., 764, 765.

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(*Toluene compounds Me*=1).

o-**Toluidine**, action of silicon tetrachloride on (HAROLD), A., ii, 509.

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p-**Toluidine**, electrolytic dissociation of (LÖWENHERZ), A., ii, 327.

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p-**Toluidine**, *o*-bromo-, preparation of, and its hydrochloride (HEWITT and POPE), T., 175.

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o-**Toluidine-4 : 5-disulphonic acid**, and its potassium and barium salts (WYNNE and BRUCE), T., 744; P., **1898**, 168.

p-**Toluidine-2 : 5-disulphonic acid**, preparation of (WYNNE and BRUCE), T., 743; P., **1898**, 168.

p-**Toluidine-3 : 5-disulphonic acid** (WYNNE and BRUCE), T., 738; P., **1898**, 168.

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m-**Toluidino-butyric acid** and **-*iso*butyric acid**, ethylic salts of (BISCHOFF), A., i, 74.

p-**Toluidino*iso*butyric acid**, nitro-, ethylic salt of [NO_2:Me:NH = 2:1:4] (BISCHOFF), A., i, 132.

α-*p*-Toluidino-butyric-*p*-toluidide and **-*iso*butyric-*p*-toluidide** (BISCHOFF), A., i, 74.

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m-**Toluidinopropionic acid**, ethylic salt of (BISCHOFF), A., i, 74.

(*Toluene compounds Me*=1).

α-*p*-Toluidinopropionic amide and ***p*-toluidide** (BISCHOFF), A., i, 74.

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***p*-Toluidinopropyl-benzamide**, **-carbamide** and **-phthalimide** (FRÄNKEL), A., i, 74, 75.

α-*o*- and **α-*p*-Toluidino*iso*valeric acids**, and their ethylic salts (BISCHOFF), A., i, 74.

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***p*-Toluoyltriazoxole** and its acetyl derivative (BOESEKEN), A., i, 698.

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α-Toluquinoneoxime dichloride (OLIVERI-TORTORICI), A., i, 304.

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***p*-Tolylallyl-disulphone**, **-diamyltrisulphone**, **-diphenyltrisulphone**, and **-sulphonesulphide** (TROEGER and HORNUNG), A., i, 258.

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***o*-** and ***p*-Tolylanilines**, *p*-nitro-*o*-amino-, anhydrides obtained from (MUTTELET), A., i, 412.

***p*-Tolyl anilinoethyl ketone** (COLLET), A., i, 479.

(*Tolyl compounds Me*=1).

***p*-Tolylazimidonaphthalene** (ULLMANN), A., i, 591.

***p*-Tolylazocarbamide** (YOUNG and STOCKWELL), T., 369; P., **1898**, 73.

***p*-Tolylazohydroxybenzylamide** (BAMBERGER and RENAULD), A., i, 21.

***p*-Tolylbenzimidazole**, **β-*o*-amino-**, and its salts (VON NIEMENTOWSKI), A., i, 211.

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***p*-Tolyl α-bromethyl ketone** and **α-bromopropyl ketone** (COLLET), A., i, 478, 479.

***o*-** and ***p*-Tolylcarbamides**, solubility of, in acetone, benzene, ether and water (WALKER and WOOD), T., 626; P., **1898**, 158.

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2′-*m*- and **2′-*p*-Tolyldihydro*iso*indoles** (SCHOLTZ), A., i, 305.

***p*-Tolyldipiperidine-benzyl-**, **-*iso*butyl-**, **-ethyl-**, **-methyl-**, and **-propyl-phosphonium** iodides (MICHAELIS and FREUNDLICH), A., i, 417.

***p*-Tolyldipiperidine-N-phosphine**, and its oxide, sulphide, and carbon bisulphide compound (MICHAELIS and FREUNDLICH), A., i, 417.

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***m*-Tolylic** methylic ether, 6-chloro- (PERATONER and CONDORELLI), A., i, 641.

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(*Tolyl compounds Me* = 1).

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m-**Tolylpyruvic acid**, *p*-nitro-, and its salts and phenylhydrazone (REISSERT and SCHERK), A., i, 315.

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p-**Tolylsemicarbazide** and its acetyl and benzoyl derivatives (YOUNG and STOCKWELL), T., 369 ; P., **1898**, 73.

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m-**Tolylsulphonamic acid**, *m*-toluidine salt of (MICHAELIS and PETOU), A., i, 432.

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o-**Tolyltrimethylene-carbamide**, **-thiocarbamide** and **-ψ-thiocarbamide** (FRÄNKEL), A., i, 75.

(*Tolyl compounds Me* = 1).

p-**Tolyltrimethylenediamine**, preparation of, and its salts (FRÄNKEL), A., i, 74.

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1 : 3 : 3-Trimethyl-5-amino*cyclo*hexane, hydrochloride, oxalate, and carbamide (KERP and MÜLLER), A., i, 265.

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1 : 3 : 5-Trimethylbenzene. See Mesitylene.

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2 : 6 : 6-Trimethyldihydrohexone, from distillation of 2-methyl-6-heptanone-2-ol; also its oxidation, and the action of solution of bromine in methylic bromide on it (VERLEY), A., i, 558.

3 : 5 : 5-Trimethyldihydro*iso*oxazole (HARRIES and JABLONSKI), A., i, 401.

2 : 4 : 6-Trimethyl-Δ^2-dihydropyridinedicarboxylic acid (*dihydrocollidinedicarboxylic acid*), ethylic salt, action of alkalis on (COHNHEIM), A., i, 449.

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$\alpha\alpha\alpha_1$-Trimethylglutaric acid (*hexanedicarboxylic acid*), formation of the anhydride of (AUWERS), A., i, 630.

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1 : 2 : 4-Trimethylphenethylol-5, and **1 : 3 : 5-Trimethylphenethyl-2**, and their salts (KLAGES and ALLENDORFF), A., i, 434.

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ERRATA.

VOL. LXIV. (ABSTR., 1893).

PART II.

Page	Line	
444	11	*for* "+58·1" *read* "−58·1."
445	4	,, "C_3H_6" *read* "C_3H_6O."

VOL. LXVIII. (ABSTR., 1895).

PART I.

381	22*	*for* "fenchone" *read* "fenchene."
525	17*	,, "$C_7H_7{\cdot}N{:}CH{\cdot}CO{\cdot}C_7H_7$" *read* "$C_7H_7{\cdot}N{:}CH{\cdot}CO{\cdot}NH{\cdot}C_7H_7$."

VOL. LXX. (ABSTR., 1896).

PART I.

464	13	*for* "two methylene hydrogen atoms by," *read* "ketonic oxygen atom by two."

PART II.

INDEX.

728	16 Col. ii,	*for* "carbides" *read* "borides."

* From bottom.

VOL. LXXIV. (ABSTR., 1898).

PART I.

26 11* *for* "NH<CMe:C(CN)/CMe:C(CN)>NPh" *read* "NH<CMe:C(CN)/CMe:C(CN)>CHPh."

45 5 and 6 ,, "*aμ-dimethyloxalidine*" read "*aμ-dimethyloxazolidine.*"

243 22 ,, "*ethylallylhydantoin*" read "*ethylallylthiohydantoin.*"

,, ,, ,, "*ethylphenylhydantoin*' read "*ethylphenylthiohydantoin.*"

247 24 ,, "bromacetophone" *rea* "bromacetophenone."

253 2* ,, "COPh·CO·CH_2·," &c., *read* "COPh·CH_2·," &c.

362 5* ,, "$C_6HBr(NO_2)O_2Ba$" *read* "$C_6HBr(NO_2)_2O_2Ba$."

423 23* ,, "*methyloctylsulphonic*" read "*methyloctylbenzenesulphonic.*"

444 2* ,, "C_8H_{14}<C——C·COOMe / C·NPh·N" *read* "C_8H_{14}<C——C·COOMe / C·NPh·N."

476 7*, 5*, 3* ,, "OMe·C_6H_4·," &c., *read* OMe·C_6H_3Me·," &c.

490 9* *delete* "(this vol., i, 289).

512 21* *for* "*ethylic*" *read* "*methylic*

530 18 ,, "TSCHEWSKY" *read* "ISCHEWSKY."

582 11 ,, "**Harries, C.,**" *read* **Harries, C., and F. Kaiser.**"

628 8 ,, "628" *read* "654."

PART II

75 11 *for* "Weissbach" *read* "Weisbach."

91 15 ,, "some barium sulphate" *read* "the barium sulphate."

124 19* *after* "Analysis" *insert* "by J. C. H. Mingaye."

299 10 & 12 ,, "dogfish" *read* "seal."

382 2* *delete* "$ZrSO_4$."

392 18 *for* "EUGEN LUDWIG" *read* "ERNST LUDWIG."

397 2* ,, "**Shieweck**" *read* "**Schieweck.**"

437 19 ,, "**Kubeite**" *read* "**Rubrite.**"

,, 19* *delete* "**Thorite.**"

,, 17* *for* "at Cleveland" *read* "in Cleveland Co."

,, 3* ,, "Columbia" *read* "Colombia."

438 7 ,, "29·23" *read* "29·28."

,, 14* ,, "zircon with" *read* "zircons containing."

650 24* ,, "**Meltzer**" *read* "**Melzer.**"

INDEX.

Page Col.

704 i, *for* "**Niemantowski**" *read* "**Niementowski.**"

756 ii, *delete* "Imperatorine" from List of Alkaloids.

858 ii, Line 2, *for* "oroselone" *read* "oreoselone."

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* From bottom.